

Catalog of the
University "Ismail Qemali" of Vlora

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Part 1

General information

1. Academic calendar

University of Vlora
2008-2009 Academic Calendar

Fall 2008 (September 29 - January 20)

Classes start	8:00, Monday	September 29
First Holiday	Tuesday	whenever
Exams begin	7:00, Tuesday	January 15
Exams end	17:00, Tuesday	January 20

Winter 2009 (February 2 - May 30)

Classes start	8:00, Monday	February 2
First Holiday	Tuesday	whenever
Exams begin	7:00, Tuesday	January 15
Exams end	17:00, Tuesday	January 20

Summer I, 2009 (June 1 - ??)

Classes start	8:00, Monday	September 29
First Holiday	Tuesday	whenever
Exams begin	7:00, Tuesday	January 15
Exams end	17:00, Tuesday	January 20

Summer II, 2009 (July 30 - ??)

Classes start	8:00, Monday	September 29
First Holiday	Tuesday	whenever
Exams begin	7:00, Tuesday	January 15
Exams end	17:00, Tuesday	January 20

Summer III, 2009 (June 1 - August 30)

Classes start	8:00, Monday	September 29
First Holiday	Tuesday	whenever
Exams begin	7:00, Tuesday	January 15
Exams end	17:00, Tuesday	January 20

2. General Information

Below is some information for some of the offices at UV.

Academic Advising Office

Office:

Phone:

Advising resource center

Office:

Phone:

Academic skills center

Office:

Phone:

Dean of students

Office:

Phone:

Academic conduct committee

Office:

Phone:

Academic Standing and Honors Committee

Office:

Phone:

Readmission committee

Office:

Phone:

3. Introduction

University of Vlora is a nationally recognized, public university offering students a personal, high-quality, affordable education through a diverse combination of liberal studies, professional instruction, and cultural and social experiences. Recognized as one of the Albania's main universities University of Vlora offers its 15,000 students opportunities to work directly on research projects with expert faculty who bring current knowledge right to the classroom. In all its activities, University of Vlora strives to exemplify educational leadership. Anchored by a strong sciences and engineering program, the university is organized into the College of Technical Sciences, College of Economics and Law, College of Education, and School of Nursing. The university's full-time faculty, has a distinguished record of research and scholarship. Studies in physical sciences and computational sciences attract national and international attention to the University of Vlora. Its highly recognized Vlora Conference Series and the Albanian Journal of Mathematics bring many international visitors to Vlora. The university takes pride in the many scholarly books and articles written by its faculty and in its contributions to pedagogy and the creative arts. Undergraduate students at University of Vlora are involved in high-level research projects, and the results of their research and scholarship are integrated into related courses of instruction. An unusually high proportion of University of Vlora alumni have gone on to earn postgraduate degrees or other distinctions in their fields. Complementing its academic programs, University of Vlora collaborates actively with business and industry to foster economic development and meet the demands of a highly educated workforce

in southwestern Balkans.

The university has emphasized academic quality, providing a dynamic, student-focused learning environment with integration of liberal and professional studies by a faculty of dedicated scholar-teachers. Vlora prides itself on providing a unique, distinctive undergraduate experience that is complemented by the strength of graduate offerings and research accomplishments. Vlora is focused on engaging with communities and developing partnerships, broadening its research agenda, providing opportunities for entrepreneurship and continuing its pattern of growth.

Located in the Bay of Vlora, the University of Vlora is easily accessible to millions of people who come to Vlora every year to visit the city. The city of Vlora is the main touristic destination of Albania and welcomes millions of visitors every year. Vlora's relationship with its hometown communities enriches student lives. Through partnership efforts with the city of Vlora and other surrounding communities, internship opportunities are available to Vlora students and many merchants offer discounts for UV students, alumni and staff. The natural beauty of Vlora's Bay, much of it still wooded and undeveloped, is enhanced by comprehensive recreational facilities and modern buildings that house the university's many academic and public service programs. Adjacent to the campus is the Vlora Technology Park, a research park where private-sector companies work hand in hand with higher education.

4. Role and Mission

The following role and mission statement for the university was adopted by the University of Vlora's Senate on 2008. It emphasizes four essential ingredients for the

direction of the university:

- excellent and relevant instruction,
- high quality basic and applied research and scholarship,
- responsive and effective public and community service, and a
- comprehensive schedule of student development activities.

As a state-supported institution of higher education, University of Vlora has a two-fold mission.

- It offers instructional programs of the highest quality that lead to degrees at the baccalaureate, master's and doctoral levels as well as programs in continuing education;
- It advances knowledge and promotes the science through research, scholarship, and creative activity.

In all its activities, the University strives to exemplify educational leadership.

4.1. Instruction. University of Vlora provides rigorous educational programs. A strong core of liberal arts and sciences is the basis on which undergraduates develop the skills, knowledge, and attitudes essential for successful living and active, concerned citizenship. A variety of majors and specialized curricula prepare students for post-baccalaureate education, professional schools, or careers directly after graduation. Each program provides a variety of courses and curricular experiences to ensure an enriched life along with superior career preparation or enhancement. The University offers master's programs that meet demonstrable needs of Albania residents and that maintain excellence. Doctoral programs are offered which are innovative and serve needs that are not adequately met elsewhere in the country. University of Vlora is selective in its admission standards and seeks both traditional and nontraditional students, ensuring equal opportunity to all who can profit from its offerings. A special effort is made to locate and admit disadvantaged students with strong potential for academic success and to provide the support conducive to the realization of that potential. The faculty and staff cooperate with nearby colleges to ensure that their students who seek to transfer to University of Vlora are well prepared for work at a senior college. In recruiting and admitting students, enrollments are not permitted to exceed numbers consistent with preserving the high quality of instruction. The University strives to remain current and relevant through an adequate program of continuing faculty development and the exploration of innovative schedules, methods, and curricular design in keeping with the various needs of its diverse students, many of whom commute, work, or are older than the traditional college-age student.

University of Vlora offers, and will continue to offer, only those programs for which adequate resources and well-prepared faculty are available and for which a demonstrable need and a potential for qualified students exist.

4.2. Research and scholarship. University of Vlora assumes an obligation to advance knowledge through the research and scholarship of its faculty and students. The University's research and scholarship mission takes expression in a variety

of forms ranging from basic studies on the nature of things to applied research directed at particular problems to contributions to literature and the arts. Within its means the University provides internal financial support for research and scholarship. Simultaneously, it pursues with vigor external sources of support. Research institutes, financed primarily by outside grants, make an important contribution to this mission. In addition to their intrinsic value, research and scholarship reinforce the instructional mission of the University. Wherever possible, students are involved in research projects, and the results of research and scholarship are integrated into related courses of instruction. Application of research and scholarship to problems and concerns of the country's business and industry and to its scientific, educational, governmental, and health and human-service agencies serves also to reinforce the public service role of the university.

4.3. Public service. University of Vlora serves its constituents through a philosophy and program of public service that are consistent with its instructional and research and scholarship missions. It cooperates with businesses, governmental units, community groups and other organizations on research, technical development, and problem-solving enterprises in an attempt to apply the expertise of the University to the issues of society in general or the region in particular so as to further enhance the quality of life in the service areas of the University. It attempts to maintain the degree of flexibility necessary to respond with innovative instruction, research, and other service to rapidly changing needs. It makes its facilities available for a multitude of activities to agencies and community groups whose purposes are compatible with the mission of the University. It provides access to its programs and campus, insofar as is consistent with the role and scope of the institution, for the recreational and physical enrichment of area citizens.

4.4. Student development. In direct support of its academic mission, the University of Vlora provides basic services and experiences which integrate cognitive learning with the personal growth of the individual student in emotional, social, physical, cultural, ethical and interpersonal domains. In so doing, the University seeks to facilitate the development of those personal skills which will contribute to informed decision-making and productive citizenship. This objective is accomplished through a variety of student enterprises including campus organizations, athletic, and other sponsored activities and events. Key to its achievement is the provision of a governance system in which students play a meaningful role in institutional decision-making processes.

Through the maintenance of complementary academic and extra-curricular environments, University of Vlora assists students in the realization that life is a continuum of growth, change, and adaptation and provides them with the skills essential to the achievement of their fullest potential.

4.5. First Year Philosophy. The first year experience at University of Vlora lays the foundation for student success by creating an environment that encourages intellectual growth and embraces learning as a lifelong pursuit. UV emphasizes personal responsibility, perseverance, and involvement in the campus and wider communities. Students are encouraged to behave ethically, to explore diverse perspectives, and to develop global awareness through strong academic programs enriched by activities and events.

5. Academic policies and procedures

5.1. Student Responsibility. Students are expected to learn all general requirements of the university, as well as those of the program of their chosen field of study. Students are responsible for meeting all requirements and regulations for the degrees they seek. Facilities and staffing limitations require that certain professional programs place limits on the number of students admitted to major standing. Where such limits exist, the principal admission criterion is academic performance in course work prerequisite to application for major standing. Additional information concerning application for major standing in programs with enrollment limits is contained in the individual program descriptions elsewhere in this catalog.

5.2. Academic Advising. The role and mission of faculty and professional academic advising at University of Vlora is to advise students as they seek to develop academic, career and life goals and establish plans to accomplish these goals. This is a continuous process of discover, clarification, and evaluation, whereby advisers assist students in identifying possibilities assessing alternatives, and weighing the consequences of decisions.

Faculty advisers are available in every department. For assistance in understanding program admission requirements and enrollment limitations, as well as university and degree requirements, students should consult with faculty advisers. While students receive initial advising assistance in orientation, they are encouraged to seek individual assistance as early in their programs as possible and to see their advisers regularly thereafter. Most advisers see students for individual appointments arranged at their mutual convenience, except during busy early registration periods when only limited assistance can be provided. In some programs, students must file a written program plan. Advisers can help students complete such plans as well as verify that all degree requirements are being met in a timely fashion. Students may locate their advisers by consulting the list of school and departmental advising offices.

5.3. Assessment. University of Vlora is committed to the continuous improvement of its programs and services through an on-going process of self-assessment linked to action steps for improvement. Examples of common assessment activities include surveys, pre- and post-tests, focus groups and interviews. Students can expect to participate in the assessment activities of various academic and student service units both as students and, later, as graduates of Vlora programs.

5.4. Assessment of student learning outcomes. University of Vlora is committed to improving the quality of all of its degree programs. One way this is accomplished is by ongoing assessment of student learning outcomes. All degree programs have a set of unique goals and learning objectives they want students to achieve in their major programs. How well students are achieving the goals of their degree program goals is measured through assessment activities conducted throughout the academic year.

The results of assessment activities are used to improve programs and make curricular changes to maximize student learning outcomes. Assessment results inform departments how well their current curriculum (courses, degree requirements, and other activities offered by the program) provides students with the tools they need to perform successfully within their major area. Assessment is also used to

measure the ability of General Education courses and other experiences to provide a wide range of general knowledge and skills necessary for success in any career and throughout the lifetime. Ongoing assessment activities also allow programs to track and compare the quality of their programs from year-to-year and to measure the success of curricular changes designed to improve program quality. Assessment results are also used to identify program needs and to support requests for additional resources. As a student, you can expect to participate in assessment activities from time to time as part of your degree program requirements. Some assessment activities might include: student surveys, examinations, evaluation of course papers and projects, entrance and exit interviews, and portfolios of students' work throughout their major program. The activities are different for every degree program because each program has its own unique set of goals and learning objectives. They are designed to measure each program's learning objectives in the best possible way.

5.5. Course and Credit System. The credit-hour value of each course (the number in parentheses following the course title) is specified in semester hours. One semester hour is equivalent to a total of 50 minutes of scheduled instruction each week plus the estimated time required in outside preparation. Most University of Vlora courses are 8 credits. With their adviser's permission, undergraduate students who have completed 30 or more credits at University of Vlora may register for as many as 45 credits if their cumulative grade point average is at least 2.60. All other students may take more than 36 credits only with an approved Petition of Exception. More than 42 credits also must have Registrar approval. College guest students must have the approval of the Registrar.

5.6. Class standing. For purposes of registration and tuition and fees, class standing is set at the following numbers of credit hours: students have sophomore standing through completion of 57 credit hours, junior standing through completion of 110 credit hours, and senior standing when they have completed 110 credit hours or more.

5.7. Regulations governing courses. The courses are regulated as follows:

1. A course sequence joined by a hyphen (e.g., FRH 114-115) must be taken in the order indicated. The first course in such a sequence is a prerequisite to the second.

2. Course numbers separated by commas (e.g., HST 114, 115) indicate related courses that may be taken in any order. However, departmental or program requirements may sometimes govern the order.

3. Course numbers 000-049 are designated for skill development courses specially designed to aid incoming students with significant deficiencies in their academic background in preparing for courses numbered 100 and above. Credits earned in these courses cannot be used to satisfy minimal graduation requirements in any academic program. Grades earned in these courses, however, are included in students' grade point averages. Course numbers 050-099 are for courses specially designed to enrich academic skills. No more than 16 credits in courses numbered 050-099 may count toward graduation requirements. Courses numbered 100-299

are introductory undergraduate courses primarily for freshmen and sophomores.

4. Courses numbered 200-499 are designed for juniors and seniors. Courses numbered 500 and above are primarily for graduate students. Qualified undergraduates may enroll in a class numbered 500-599 provided they have obtained written permission to do so from the department chair and the course instructor. Only graduate students are eligible to elect courses numbered 600 and above.

5. The university reserves the right to cancel any course in which there is insufficient registration.

6. Prerequisite courses must be completed prior to enrollment in courses for which they are listed. Corequisite courses must be taken simultaneously. It is the student's responsibility to complete all prerequisites before registering for a course with such requirements and to register for corequisites as indicated in the catalog. Departments may waive prerequisites in accordance with academic unit policy.

7. Some courses are cross-listed between departments. In such cases, the course description is listed only in one department. The listing in the other department notes that the course is identical with the course in the primary department. When registering, students should select the listing under which they wish to receive degree credit.

5.8. Course competency. Students may receive credit toward graduation designated as competency credit (graded S/U) on their transcripts for University of Vlora courses, subject to the following provisions:

1. That they register for the course at registration with written permission of the departmental chairperson, dean or program director of the academic unit responsible for the course.

2. That they pass an appropriate competency examination not more than six weeks after the term begins. Competency credit will not be permitted for a course when a student has received credit for more advanced courses in the same area.

3. The repeat course rule applies to the repeating of competency examinations (see Repeating courses). Competency by examination in languages other than those taught at University of Vlora may be possible.

4. That they pay the appropriate fees as indicated elsewhere in this catalog (see Course competency by examination fee).

Students may apply up to 120 credits based on non-classroom experience (course competency, Advanced Placement and/or CLEP credits) toward a degree program. Students seeking second degrees are limited to 30 credits of non-classroom experience.

5.9. Adjusting courses. (drop and add) If students decide to drop a course, the course may be dropped without academic penalty through the ninth week in 14-week courses and the fifth week in seven-week courses. A "W" grade denoting withdrawal is recorded for courses dropped after the second week in semesters and the first week of the summer semester. Dropped courses for tuition refund must also be processed during published refund periods (See also Refund of tuition and fees). Failure to drop a course on or before the official withdrawal date may result in the recording of a 0.0 grade on a student's record. Withdrawal options are specified in each term's Schedule of Classes. Students previously registered for the term and wishing to add a course should do so as early as possible in the semester or session. Courses may not be added following the 10th class day after the first day of classes (fifth class day in the summer semester and for 2 credit, half-semester courses). Deadlines for dropping or adding classes are published on the Office of the Registrar website each term.

5.10. Auditing courses. A formal audit option is available for students who wish to participate in a course on a nongraded basis. With written permission of the instructor, students may register to audit a course during the late registration period for each semester or session. Forms for auditing classes are available in the Offices of Admissions and Orientation, Graduate Study and Registration. Audit registrations are governed by the following rules:

1. Regular tuition and fees apply to all courses.
2. The registrar will assign the final mark of Z to all formal audits. If a student pays tuition for regular credit, he or she can not switch to auditing the course.
3. Changes of registration from credit to audit or from audit to credit will not be permitted once the no-grade drop/add period has ended for a given semester (two weeks into the term) or session (one week into the term).
4. Students who wish to audit courses must have been admitted to the university by the Office of Admissions and Orientation.
5. Students whose entire registration for a semester or session consists of formal audits must register during late registration. Late registration fees will be waived for such students.

5.11. Repeating courses. Students may repeat a course to improve the grade earned in a prior enrollment, but they must do so at University of Vlora. The limit is three attempts at any individual course, excluding drops or withdrawals. The repeat course must be taken on the same grading basis (numeric or pass/fail) as the first attempt. Because some programs have more stringent limits, students should consult an adviser before registering to repeat a course. Students should be aware that **the most recent grade will be the grade of record regardless of whether it is the highest grade earned.**

Students whose programs allow courses to be repeated at other institutions will not receive transfer credit if University of Vlora credit has been earned, nor will they

improve their Vlorë grade point average. Students must consult an adviser in the major program before registering to repeat a course elsewhere. University of Vlorë transcripts will reflect grades earned in all Vlorë courses. For repeated courses, the attempts excluded from the grade point average will be marked with an "E" and the grade of record will be marked with an "I" designating inclusion in the grade point average. Transfer students who successfully repeat a course at Vlorë for which transfer credit has been awarded will lose the transfer credit. Credit is not given for more than one course covering specific content, which means that most courses can be taken only once. Certain courses, however, generally representing special topics or independent studies, are designed to vary from semester to semester. The Undergraduate Catalog states the applicable credit limit for such courses.

5.12. Degree Requirements. Undergraduate degree requirements are of two kinds: general degree requirements determined by the university to be binding on all baccalaureate programs and specific degree requirements established by the various academic units that offer degree programs. Students may choose to meet graduation requirements as presented in any catalog in effect since their matriculation at University of Vlorë, providing it is not more than six years old at the time of graduation. They also may follow separate catalogs for general and specific requirements, subject to the limitations described below. An academic unit may require that students changing majors into its programs from another major or undecided status follow both major and college or school distribution requirements (if applicable) from the catalog in effect at the time of change. (A change from pre-major to major standing in the same field does not constitute a change of major).

The catalog chosen for the student's major will also be used to determine degree requirements for any minor or concentration the student may be pursuing unless a written plan of study has been approved by the department or school offering that program. Some academic units require that students file an approved plan of study for a concentration or minor in order to complete program requirements; those that do so stipulate this requirement in the appropriate section of this catalog. Forms for planning and approval of a minor or concentration are available from the advising offices. If the academic unit establishes no such requirement, students are still entitled to negotiate a minor or concentration in writing with the program coordinator. Written plans are particularly encouraged for those students using transfer courses to satisfy some portion of the program. A plan of study may be based on any catalog in effect at time of filing, but not one predating the student's enrollment at University of Vlorë. Changes to an approved plan require prior written authorization from the concentration or minor coordinator. Students may establish credit in a course to meet degree requirements by earning a passing grade in the course, by passing a competency examination or by receiving transfer credit from another institution. In certain circumstances, a requirement may be formally waived through a successful Petition of Exception (see Petition of exception, below). All data in this catalog reflect information as it was available on the publication date. University of Vlorë reserves the right to revise all announcements contained in this publication and at its discretion to make reasonable changes in requirements to improve or upgrade academic and nonacademic programs.

6. Other Academic Policies

6.1. Honors Academic honors. At the end of each fall and winter semester, undergraduates who have earned a semester grade point average (GPA) of 3.00 or higher in at least 12 credit hours of numerically graded university work and who have received no 0.0 grades will be recognized for academic achievement. These credits must be earned within the time constraints of the normal semester. Notices of commendation will be sent to undergraduates with GPAs of 3.00 to 3.59. Notices of academic honors will be sent to undergraduates with GPAs of 3.60 to 4.00. Both commendation and academic honors will be recorded on students' academic transcripts. Dean's list At the end of each winter semester, students who achieve academic honors (3.60 to 4.00) in consecutive fall/winter semesters and are carrying 12 credits each semester will be placed on the Dean's List. Inclusion on the Dean's List for an academic year will be recorded on students' academic transcripts. Names of Dean's List students, except those who have requested privacy, will be published on an official list to be posted on campus. Students will also receive letters from the appropriate dean.

Departmental and school honors Departmental or school honors may be awarded to selected students when their degrees are conferred. Criteria for earning these honors are described in the appropriate section of the Undergraduate Catalog. Departmental and school honors are recorded on students' transcripts.

University honors The three levels of university honors:

cum laude,
magna cum laude,
summa cum laude,

may be awarded with the conferral of a student's earned baccalaureate with the following cumulative grade point average:

3.60-3.74, cum laude;
 3.75-3.89, magna cum laude; and
 3.90-4.00, summa cum laude.

The awarding of a degree with university honors will be based only on University of Vlora credits, and the student must earn at least 62 credits at University of Vlora to be eligible for such honors.

6.2. Academic conduct policy. All members of the academic community at University of Vlora are expected to practice and uphold standards of academic integrity and honesty. Academic integrity means representing oneself and one's work honestly. Misrepresentation is cheating since it means students are claiming credit for ideas or work not actually theirs and are thereby seeking a grade that is not actually earned. Following are some examples of academic dishonesty:

1. Cheating on examinations. This includes using materials such as books and/or notes when not authorized by the instructor, copying from someone else's

paper, helping someone else copy work, substituting another's work as one's own, theft of exam copies, or other forms of misconduct on exams.

2. Plagiarizing the work of others. Plagiarism is using someone else's work or ideas without giving that person credit; by doing this students are, in effect, claiming credit for someone else's thinking. Whether students have read or heard the information used, they must document the source of information. When dealing with written sources, a clear distinction should be made between quotations (which reproduce information from the source word-for-word within quotation marks) and paraphrases (which digest the source of information and produce it in the student's own words). Both direct quotations and paraphrases must be documented. Even if students rephrase, condense or select from another person's work, the ideas are still the other person's, and failure to give credit constitutes misrepresentation of the student's actual work and plagiarism of another's ideas. Buying a paper or using information from the World Wide Web or Internet without attribution and handing it in as one's own work is plagiarism.

3. Cheating on lab reports by falsifying data or submitting data not based on the student's own work.

4. Falsifying records or providing misinformation regarding one's credentials.

5. Unauthorized collaboration on computer assignments and unauthorized access to and use of computer programs, including modifying computer files created by others and representing that work as one's own. Unless they specifically indicate otherwise, instructors expect individual, unaided work on homework assignments, exams, lab reports and computer exercises, and documentation of sources when used. If instructors assign a special project other than or in addition to exams, such as a research paper, or original essay or a book review, they intend that work to be completed for that course only. Students must not submit work completed for a course taken in the past or for a concurrent course unless they have explicit permission to do so from both faculty members.

Instructors are expected to maintain the following standards in the context of academic conduct:

1. To inform and instruct students about the procedures and standards of research and documentation required to complete work in a particular course or in the context of a particular discipline.

2. To take practical steps to prevent and detect cheating.

3. To report suspected academic misconduct to the Dean of Students for consideration by the Academic Conduct Committee of the University Senate.

4. To present evidence of plagiarism, cheating on exams or lab reports, falsification of records or other forms of academic conduct before the Academic Conduct Committee.

Students are expected to maintain the following standards in the context of academic conduct:

1. To be aware of and practice the standards of honest scholarship.
2. To follow faculty instructions regarding exams and assignments to avoid inadvertent misrepresentation of work.
3. To be certain that special rules regarding documentation of term papers, examination procedures, use of computer-based information and programs, etc., are clearly understood.
4. To avoid the appearance of cheating. If students believe that practices by the instructor are conducive to cheating, they may convey this message to the instructor, to the chairperson of the department, or to any member of the student/faculty Academic Conduct Committee (either directly or through the Office of the Dean of Students). If academic misconduct is determined by the Academic Conduct Committee, the committee assesses penalties ranging from disciplinary reprimand, to probation, to suspension or expulsion (dismissal) from the university. Additionally, withdraw grades may be changed to the appropriate numerical grade. All confidential conduct records are maintained in the Office of the Dean of the Students.

6.3. Academic Probation and Dismissal General information. To stay in good academic standing, students must not allow their cumulative grade point averages (GPA) to drop below 2.00. Some schools and departments establish more selective criteria for satisfactory academic performance within their majors. Students should consult the section of the catalog on their major for specific information. Undergraduates who fail to make satisfactory academic progress toward a degree will be placed on probation in accordance with a university policy that stipulates that students must complete for credit most of the courses for which they register and must do so with a reasonable degree of academic proficiency. Students on probation who fail to meet the minimal standard of progress established by the University Senate will be dismissed from the university. Undergraduates who are dismissed for unsatisfactory academic progress do not retain the privileges of students in good standing. If dismissed students wish to be readmitted to University of Vlora after the compulsory separation period prescribed by the Academic Standing and Honors Committee, they must apply for readmission through the Academic Records Office. Questions on University of Vlora's probation and dismissal policies should be directed to the Academic Skills Center. Principles and practices The Academic Probation and Dismissal Policy is administered by the director of the Academic Skills Center for the University Senate's Academic Standing and Honors Committee.

The policy is based on the following principles and practices:

1. The major share of students' educational expense is provided by the government of Albania, and it is the responsibility of the university to see that these funds are properly used. If students fail to make satisfactory academic progress toward a degree, dismissal action must be taken by the Academic Standing and Honors Committee.

2. Students are encouraged to make responsible decisions concerning their educational progress. Students who are apparently not benefiting sufficiently from the educational opportunities available at the university are advised to consider other alternatives.

3. Some students new to the university (including transfer students) need a period of adjustment; therefore, no students will be dismissed at the end of their first semester/ session at the university. Furthermore, students will not be dismissed without having been placed on probation in the previously enrolled semester/session.

4. Students must have a 2.00 GPA upon graduation. Students with fewer than 81 credits toward graduation and a GPA below 2.00 are normally allowed to continue their studies on probation if it is reasonable to expect that they can sufficiently raise their cumulative GPA. (See Probation and dismissal policy below.)

5. Students who receive notice of their dismissal after a term are advised to appeal the dismissal if they believe they have valid reasons to have the dismissal deferred. The Academic Standing and Honors Committee of the Faculty Senate will review appeals submitted within the 10-calendar day deadline and students will be notified regarding the decision of the committee by mail. Students whose appeals are approved by the Committee are required to participate in the Dismissal Option Status Program in the Academic Skills Center.

6.4. Probation and dismissal policy. The following Academic Probation and Dismissal Policy applies to all undergraduate and second degree students.

1. Students with a cumulative GPA of 2.00 or above or without an established cumulative GPA are considered to be in good academic standing. (See item 4 below).

2. Students in good academic standing will be placed on probation at the end of a semester/session when their cumulative GPA is below 2.00. They will be allowed to remain at University of Vlora on probationary status for at least one semester/session.

3. At the end of a probationary semester/session, students will be:

a. returned to good academic standing if their cumulative GPA is 2.00 or higher,

b. continued on probation if they have attempted less than 48 credit hours and their semester GPA is 2.00 or higher, even though they may not meet the minimum

requirements on the chart below, or

c. dismissed from the university if their semester GPA is below 2.00, they have attempted 48 or more credits, and their cumulative GPA is below the minimum GPA according to the chart below.

For example, if at the end of a probationary semester/session, a student has attempted 52 credits, has a semester GPA below 2.00, and a cumulative GPA of 1.70, the student will be dismissed from the University of Vlora.

University of Vlora Credit Earned Minimum Required GPA:

48-64	1.61
66-94	1.73
96-128	1.85
130-160	1.97
162+	2.00

4. In order to establish a cumulative GPA, a student must receive a numerical grade in at least one course at University of Vlora, and in the computation of the cumulative GPA, only those courses at University of Vlora for which a student has received numerical grades are used. If a course has been repeated, the assigned credits for the course are only counted once in the total number of credits attempted and only the most recent numerical grade received is used. The Honor points for each course are computed by multiplying the numerical grade received by the number of credits assigned to the course. The cumulative GPA is determined by dividing the sum of the honor points for all courses receiving numerical grades by the total number of credits attempted in courses receiving numerical grades at University of Vlora.

6.5. The appeal process. Students dismissed after a probationary term may appeal the dismissal if they feel there are valid reasons to do so. To appeal, students must complete an official Dismissal Appeal Form and submit it to the Academic Standing and Honors Committee within 10 calendar days of the issuance of the dismissal notice. The forms are sent with the dismissal notice, however they may also be obtained by request from the Academic Skills Center. If the appeal is approved, the student is placed on dismissal option status, and the dismissal is deferred.

6.6. Dismissal option status. Dismissal option status is granted to students whose dismissal appeals are approved or to students who are readmitted following a previous dismissal for unsatisfactory academic progress. Dismissal option status offers students the opportunity to continue their education on a term-by term basis as long as specific requirements are met. All students on dismissal option status must meet a term GPA minimum of 2.00 in each enrolled semester/session until good academic standing is resumed. (Good academic standing is achieved when the cumulative GPA is 2.00 or above.) Failure to earn a minimum term GPA of 2.00 results in reactivation of the dismissal, an action that may not be appealed by the student involved. The Dismissal Option Status program is administered by the Academic Skills Center.

6.7. Academic forgiveness. Students attending University of Vlora after an absence of three or more years who were not in good academic standing prior to their

absence may file a Petition of Forgiveness with the Academic Standing and Honors Committee. The committee may forgive, for academic standing purposes only (probation and dismissal), all or part of the record used to compute probationary and dismissal status. Students may submit the Petition to the Committee through the Academic Skills Center.

6.8. Readmission. Readmission is required for all students in the following categories:

1. Students whose attendance has been interrupted for a period of six or more years.
2. Students who are dismissed from the university for insufficient academic progress at the end of their previously enrolled semester/session.

All other undergraduates may return and register for classes without seeking formal readmission. Particular programs, however, may have more stringent requirements, and students whose progress in a major has been interrupted should consult an advisor. Students applying for readmission must submit an application to the Academic Skills Center at least 45 days prior to the start of the term in which the student expects to enroll.

If readmitted students fail to enroll for the semester or session for which their readmission is granted, that readmission is considered void. If students wish to enroll for the semester or session immediately following the term for which readmission was granted, they may do so with a written request to update their readmission application addressed to the Academic Skills Center. However, if such students wish to enroll for a term later than one semester or session following the term for which they were readmitted, they must complete another readmission application and submit it within the 45-day time frame. Readmission to the university is not automatic for students dismissed because of poor academic performance. The number of times a student will be readmitted is limited. An application for a first readmission by a student who has been dismissed for insufficient academic progress is reviewed by the university's Readmission Committee. Decisions about readmission are made on a case by case basis involving review of the student's file. A student dismissed for academic performance who is readmitted but fails to progress academically, resulting in a second academic dismissal, may not apply for readmission to the university for a period of three years. The Academic Standing and Honors Committee will review the Academic records of students applying for readmission a second time. If a student is dismissed for academic reasons a third time, the student may not be readmitted to University of Vlora.

Withdrawals Students dropping all registered credits in a term must follow the withdrawal procedure, which is printed in the Schedule of Classes each term. When students withdraw from the university after the second week of classes (first week in the summer semester) and before the end of the official withdrawal period, W grades will be assigned in all uncompleted courses. Official withdrawal from the university is not permitted after the ninth week of 14-week courses (fifth week of seven-week courses). If students stop attending classes but do not follow the withdrawal procedure, they may receive grades of 0.0. Undergraduates who plan to

return to the university after a six-year interruption should consult the readmission policy above.

Problem Resolution Students may encounter problem situations during their course of study at University of Vlora that require review by appropriate administrative or academic personnel. The university's problem resolution procedure provides a fact-finding system for resolving problems between students and faculty or staff members when a review of the issues is not available through other established procedures. For some issues (e.g. discrimination, harassment) specific university procedures must be followed. The Dean of Students, is always available to advise students on the alternatives that are available to resolve a concern. Each student, faculty member, administrator and staff member has an obligation to resolve problems fairly through discussion between the aggrieved student and the specific university person involved with the problem.

Academic concerns Each academic unit has developed its own internal procedure for resolving complaints about classroom situations and will provide a copy upon request. Generally, a student must first contact the instructor. If the problem is not resolved between the instructor and the student, the student then contacts the department chair. The department chair may then hear the facts of the case or refer it to an internal unit committee. If the problem is not resolved at this step, the student may then contact the dean of the college or school to continue the problem resolution process. For cases involving grade disputes and classroom procedures but not involving discrimination harassment or illegal behavior, the process stops at the dean level. In any case involving an academic concern, the student should be aware of the responsibilities of the instructor and of the student.

An instructor's responsibilities include, but are not limited to, the following:

1. The instructor should hold classes and examinations when and where officially scheduled.
2. Each instructor should be available in his or her office for student consultation for a reasonable number of hours each week and make these hours known.
3. The instructor should make known at the beginning of each course the objectives and nature of the course, dates of important events (e.g., tests, major assignments), and policies on grading, class attendance, tests, papers and class participation.
4. The instructor should ensure that the content of the course he/she teaches is consistent with the course description in the university catalog.
5. The instructor should adhere to university policies concerning students' rights.
6. The instructor should attend the meetings as required by the procedures of the unit concerning student grievances.

A student's responsibilities include, but are not restricted to, the following:

1. The student must know and adhere to the instructor's policies concerning attendance, tests, papers and class participation.
2. The student must direct academic complaints about a class through the channels explained above.
3. Upon the request of his or her instructor, the student should consult with the instructor at a mutually convenient time.
4. The student should attend the meetings as required by the unit grievance procedures.

In the above process, a student may discuss the problem with the instructor. However, it is beneficial for the student to write out the concerns and state the suggested resolution to the problem. The complaint should be supported with facts. If the problem is not resolved at the instructor level and advances to the department chair, students must document their concerns to assist the chair or the unit committee to understand the problem.

Non-academic concerns From time to time, students may experience concerns with their employment situation or service on campus. In these situations, the student may wish to contact the dean of students to discuss problem resolution steps. Generally, the procedure will involve presenting the facts to the immediate supervisor of the specific university employee involved. The student should clearly state the nature and basis of the alleged offense, the name of the person(s) who committed the offense, the specifics of the incident(s) involved and the names of any known witnesses. In handling such complaints, discretion will be exercised but no guarantee of confidentiality may be given, since an investigation will necessarily involve discussions with other parties. The immediate supervisor of the person against whom the complaint was lodged must respond to the complainant within 30 days after the complaint was filed (unless an extension for additional review or information gathering is authorized). If the complainant is dissatisfied a written appeal may be made to the next level of supervision. For nonacademic complaints, appeals stop at the vice presidential level.

6.9. Concerns about illegal discrimination or harassment. University policy prohibits illegal discrimination. Discriminatory conduct or discriminatory harassment is behavior, including but not limited to sexual advances or requests for sexual favors, and any written behavior, including pictorial illustrations, graffiti or written material, that stigmatizes or victimizes an individual on the basis of race, sex, sexual orientation, age, height, weight, disability, color, religion, creed, national origin or ancestry, marital status, familial status, veteran status, or other characteristics protected by federal and state law.

In cases involving alleged illegal discrimination or harassment by a university employee, the student should contact University Diversity and Compliance the ombudsman.

Time limits for all types of concerns In the interest of fairness to all parties, a complaint should be filed as soon as possible to assist in obtaining the facts related

to the complaint. For this reason, a complaint generally will not be processed unless it is filed no later than sixty (60) days after the student became aware or should have become aware of the incident leading to the complaint. However, the University may waive the 60-day rule based upon the facts and circumstances of the complaint and after giving due consideration to the protection of the rights of both the complainant and the individual accused.

7. University Library

Part 2

Colleges and Programs

CHAPTER 1

General information

1. Departments

The University of Vlora has the following colleges and programs with most of them offering both graduate and undergraduate degrees.

- College of Sciences and Engineering
 - Computer Science and Electrical Engineering
 - Mathematics
 - Mechanical and Naval Engineering
 - Navigation
 - Physics
 - Bio-chemistry
- College of Social Sciences and Education
 - Foreign Languages
 - Albanian Language and Literature
 - History and Geography
 - Education
- College of Economy and Law
 - Law
 - Business
 - Tourism
- College of Public Health
 - Nursing

2. Degrees

2.1. Undergraduate degrees.

- College of Sciences and Engineering
 - Computer Science
 - Information Technology
 - Mathematics
 - Mathematical-Physics
 - Mechanical Engineering
 - Naval Engineering
 - Navigation
 - Navigation and Maritime Fishing
 - Physics
 - Bio-chemistry
- College of Social Sciences and Education
 - General Education
 - Education and Pedagogy
 - Elementary Education
 - Albanian Language and Literature
 - Foreign Languages
- College of Economy and Law
 - Law
 - Business
 - Tourism
- College of Public Health
 - Nursing

2.2. Graduate degrees.

CHAPTER 2

College of Sciences and Engineering

1. General requirements

The general requirements for all the students of the College of Sciences and Engineering:

General Education (20 credits)

- Albanian Language (5 credits)
- Foreign Language I, II (10 credits)
- Introduction to Informatics (5 credits)

Mathematics: 3 of the following 5 courses for 18 credits

- Analysis I, II (12 credits)
- Linear Algebra (6 credits)
- Discrete Mathematics (6 credits)
- Differential equations (6 credits)

Sciences: 3 of the following 4 courses for 18 credits

- Physics I, II
- Chemistry I, II

For other requirements please consult the departments.

2. Department of Computer Science and Electrical Engineering

Department of Computer Science and Electrical Engineering was created in 2008 from what was then the Department of Information Technology. It offers two bachelor degrees, two masters, and a PhD in computer science. It attracts more students than any other department of the UV.

2.1. Faculty and staff.

- Eva Cipi, Head of Department
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Professors:

- T.Shaska, PhD, University of Florida
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- Majlinda Bifsha, PhD, Universiteti Politeknik i Tiranes
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- Eustrat Zhupa, PhD, Computer Science, Universita di Bari
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- Sokol Mehmetaj, PhD, Universiteti i Tiranes
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Lectors:

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- Eralda Caushaj, MS, University of Bologna
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- Dezdemonia Lamllari, Universiteti of Tirana
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- Eliona Zavalani, (MSc) zavalani@univlora.edu.al
- Ervin Ruci, MsC, Carleton University
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2.2. Degree in Computer Science. The degree in computer science is the major degree of the department.

The requirements for the bachelor's of science in computer science are as follows:

Mathematics and science

1. MAT 154 Calculus I, 8
2. MAT 155 Calculus II, 8
3. MAT 263 Discrete Mathematics, 8
4. PHY 151 Introductory Physics, 10
5. STA 226 Applied Probability and Statistics, 8
6. MAT 255 Differential Equations, 8
7. ENG 151 English, 10

Computer science core

8. EGR 141 Computer Problem Solving in Engineering and Computer Science, 8
9. EGR 240 Introduction to Electrical and Computer Engineering, 8
10. CSE 230-231 Object-Oriented Computing I, II, 8
11. CSE 364 Computer Organization, 8

Professional subjects Required:

12. CSE 220 Spreadsheet Programming and Reporting, 6
13. CSE 247 Introduction to Computer Networks ,8
14. CSE 251 Web Programming ,6
15. CSE 335 Programming Languages, 7
16. CSE 337 Software Engineering and Practice, 11
17. CSE 343 Theory of Computation, 7
18. CSE 345 Database Design and Implementation, 11
19. CSE 361 Design and Analysis of Algorithms, 8
20. CSE 450 Operating Systems, 8
21. CSE 480 Senior Project, 8

2.2.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. MAT 154 Calculus I
2. PHY 151 Introductory Physics (y)
3. MAT 263 Discrete Mathematics
4. STA 226 Applied Probability And Statistics
5. ENG 151 English (y)

Semester II

1. MAT 155 Calculus II
2. PHY 151 Introductory Physics (y)
3. ENG 151 English (y)
4. CIT 130 Introduction to Computer Programming

Semester III

1. CSE 220 Spreadsheet Programming and Reporting
2. EGR 240 Introduction to Electrical and Computer Engineering
3. CSE 230-231 Object-Oriented Computing I
4. EGR 141 Computer Problem Solving in Engineering and Computer Science

Semester IV

1. CSE 364 Computer Organization
2. CSE 251 Web Programming
3. MAT 255 Differential Equations
4. CSE 230-231 Object-Oriented Computing II
5. CSE 361 Design and Analysis of Algorithms

Semester V

1. CSE 335 Programming Languages

2. CSE 247 Introduction to Computer Networks
3. CSE 343 Theory of Computation
4. CSE 450 Operating Systems

Semester VI

1. CSE 345 Database Design and Implementation
2. CSE 337 Software Engineering and Practice
3. CSE 480 Senior Project

2.3. Degree on Information Technology. Here are the required courses of the bachelor's degree on Information Technology:

Mathematics and Science

1. MAT 154 Calculus I, 8
2. MAT 155 Calculus II, 8
3. MAT 275 Linear Algebra, 8
4. CSE 130 Introduction to Computer Programming
5. MAT 260 Discrete Mathematics, 8
6. STA 226 Applied Probability And Statistics, 8
7. ENG 151 English (y),10

Information technology core

8. CSE 120 Introduction to Computing and Programming using Excel, 8+2
9. CIT 122 Computer Animation,8
10. CSE 220 Spreadsheet Programming and Reporting, 8
11. CSE 230 Object-Oriented Computing I, 8
12. CSE 247 Introduction to Computer Networks, 8
13. CSE 251 Web Programming, 7

Professional subjects required:

14. CIT 222 Interactive Multimedia Technology, 7
15. CIT 248 Computer Systems, 8
16. CSE 337 Software Engineering and Practice, 11
17. CSE 345 Database Design and Implementation, 8
18. CIT 346 System Administration and Security, 8
19. CIT 350 Human Computer Interaction, 6
20. CIT 352 System Analysis, 8
21. CIT 450 Project Management, 11
22. CIT 398 Senior Project, 8

2.3.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. MAT 154 Calculus I
2. MAT 263 Discrete Mathematics
3. STA 226 Applied Probability And Statistics
4. ENG 151 English (y)

Semester II

1. MAT 155 Calculus II
2. ENG 151 English (y)
3. CSE 130 Introduction to Computer Programming
4. MAT 275 Linear Algebra

Semester III

1. CSE 120 Introduction to Computing and Programming using Excel
2. CIT 122 Computer Animation
3. CSE 230 Object-Oriented Computing I
4. CSE 220 Spreadsheet Programming and Reporting

Semester IV

1. CIT 248 Computer Systems
2. CIT 222 Interactive Multimedia Technology
3. CSE 251 Web Programming
4. CIT 352 System Analysis

Semester V

1. CSE 247 Introduction to Computer Networks
2. CSE 345 Database Design and Implementation
3. CIT 350 Human Computer Interaction
4. CIT 346 System Administration and Security

Semester VI

1. CIT 450 Project Management
2. CSE 337 Software Engineering and Practice
3. CIT 398 Senior Project

3. Department of Mathematics

3.1. Faculty.

- Chair: Miftar Ramosaco, MA, University of Tirana
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Professors:

- T. Shaska, PhD Mathematics, University of Florida
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- A. Elezi, PhD Mathematics, Oklahoma State University
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- E. Hashorva, PhD Statistics, University of Berne
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- A. Kume, PhD Statistics, University of Nottingham
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- A. Velo, PhD Applied Mathematics, Worcester Polytechnic Institute
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- Stefan Kohl, PhD Mathematics
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- Ron Ferguson, PhD Mathematics
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- Sarah Carr, PhD Mathematics
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- Sokol Mehmetaj, PhD Mathematics
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- Polikseni Iliadhi
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- A.Kasneci
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3.2. Degree on Mathematics. The requirements of the bachelor's degree in mathematics are as follows:

1. ENG 151 English, 10
2. CES 130 Informatics, 8
3. PHY 151 Introductory Physics, 10
4. STA 226 Applied Probability and Statistics, 8
5. MAT 154 Calculus I, 8
6. MAT 155 Calculus II, 8
7. MAT 275 Linear Algebra, 8
8. MAT 263 Discrete Mathematics, 8
9. MAT 255 Differential Equations, 8
10. MAT 270 Algebra, 14
11. MAT 370 Algebra (y), 14
12. MAT 250 Analysis I, 7
13. MAT 251 Analysis II, 7
14. MAT 290 Topology I, 6
15. MAT 290 Topology II, 6
16. MAT 330 Complex Analysis, 7
17. MAT 266 Geometry / MAT 390 Coding Theory, 6
18. MAT 287 Number Theory, 6
19. MAT 387 Theory of Algorithms, 14
20. MAT 361 Numerical Analysis, 6
21. MAT 355 Cryptology, 7
22. MAT 398 Senior project, 6

3.2.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. MAT 154 Calculus I
2. PHYS 151 Physics I
3. ENG 151 English
4. MAT 263 Discrete Mathematics

Semester II

1. MAT 155 Calculus II
2. PHYS 151 Physics II
3. MAT 275 Linear Algebra
4. ENG 151 English
5. CES 130 Informatics

Semester III

1. MAT 250 Analysis
2. MAT 270 Algebra
3. STA 226 Applied Probability and Statistics
4. MAT 290 Topology I

Semester IV

1. MAT 251 Analysis
2. MAT 271 Algebra
3. MAT 255 Differential Equations
4. MAT 290 Topology II

Semester V

1. MAT 330 Complex Analysis
2. MAT 370 Algebra
3. MAT 390 Coding Theory
4. MAT 387 Theory of Algorithms

Semester VI

1. MAT 361 Numerical Analysis
2. MAT 371 Algebra
3. MAT 355 Cryptology
4. MAT 388 Theory of Algorithms
5. MAT 398 Senior Project

3.3. Degree in Mathematics and Physics. The requirements for a bachelor's degree in mathematics-physics are as follows:

Mathematics and science

1. CES 130 Informatics, 8
2. ENG 151 English, 10
3. MAT 154 Calculus I, 8
4. MAT 155 Calculus II, 8
5. MAT 231 Geometry, 8
6. MAT 250 Analysis I, 8

7. MAT 255 Differential Equation, 7
8. MAT 263 Discrete Mathematics, 8
9. MAT 270 Algebra, 12
10. MAT 275 Linear Algebra, 8
11. MAT 371 Number Theory, 6
12. MAT 330 Complex Analysis, 6
13. STA 226 Applied Probability and Statistics, 7
14. PHY 151 Introductory Physics, 10
15. PHYS 231 Electromagnetic Theory, 8
16. PHYS 255 Optics, 8
17. PHYS 280 Modern Physics, 8
18. PHYS 340 Theoretical Physics, -
19. PHYS 370 Theory of Atoms, 6
20. PHYS 371 Nuclear Physics, 6
21. PHYS 360 Physics of Solid bodies, 6
22. MAT 398 Senior Project, 6

3.3.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. MAT 154 Calculus I
2. PHYS 151 Introductory Physics (y)
3. STAT 226 Probability and Statistics
4. ENG 151 English(y)

Semester II

1. MAT 155 Calculus II
2. PHYS 151 Introductory Physics (y)
3. MAT 275 Linear Algebra
4. CES 130 Informatics
5. ENG 151 English(y)

Semester III

1. PHYS 250 Introduction to Physics (y)
2. MAT 250 Analysis I
3. PHYS 231 Electromagnetic Theory
4. MAT 231 Geometry

Semester IV

1. PHYS 250 Introduction to Physics (y)
2. PHYS 255 Optics
3. PHYS 280 Modern Physics

4. MAT 255 Differential Equations

Semester V

1. MAT 270 Algebra
2. PHYS 340 Theoretical Physics
3. MAT 330 Complex Analysis
4. PHYS 370 Theory of Atoms

Semester VI

1. MAT 270 Algebra II
2. PHYS 340 Theoretical Physics
3. MAT 371 Number Theory
4. PHYS 371 Nuclear Physics
5. PHYS 360 Physics of Solid bodies
6. MAT 398 Senior Project

4. Department of Mechanical and Naval Engineering

4.1. Faculty.

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- Djana Bazina
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- Luljeta Gusha
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- Mira Shehu
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- Krenar Ibrahimimi
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- Pellumb Cacak
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- Blenard Xhaferaj
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4.2. Degree on mechanical engineering. Below are the requirements for the degree on mechanical engineering:

General requirements:

1. MAT 154 Calculus I, 8
2. MAT 155 Calculus II, 8
3. MAT 255 Differential Equations, 8
4. MAT 275 Linear Algebra, 8
5. CHM 143 Chemical Principles, 8
6. PHY 151 Introductory Physics, 10
7. ENG 151 English, 10

Engineering core

8. EGR 141 Computer Problem Solving in Engineering and Computer Science,8
9. EGR 240 Introduction to Electrical and Computer Engineering,6
10. EGR 250 Intro to Thermal Eng /ME 331 Intro to Fluid and Thermal Energy Transport,8
11. EGR 280 Design and Analysis of Electromechanical Systems,7

Professional subjects Required

12. ME 308 Design and Computer Aided Design, 8
13. ME 322 Engineering Mechanics, 8
14. ME 482 Fluid and Thermal System Design, 8
15. ME 361 Mechanics of Materials, 8
16. ME 372 Properties of Materials, 8
17. ME 421 Vibrations and Controls, 7
18. ME 486 Mechanical Systems Design, 10
19. ME 456 Energy Systems Analysis and Design, 9
20. ME 488 Mechanical Computer-Aided Engineering, 9
21. ECN 150 Economic,7
22. ME 398 Senior Project,9

4.2.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. MAT 154 Calculus I
2. PHY 151 Introductory Physics (y)
3. CHM 143 Chemical Principles
4. ENG 151 English (y)

Semester II

1. MAT 155 Calculus II
2. PHY 151 Introductory Physics (y)
3. ENG 151 English (y)

4. MAT 275 Linear Algebra
5. EGR 141 Computer Problem Solving in Engineering and Computer Science

Semester III

1. EGR 280 Design and Analysis of Electromechanical Systems
2. EGR 240 Introduction to Electrical and Computer Engineering
3. ME 308 Design and Computer Aided Design
4. ME 322 Engineering Mechanics

Semester IV

1. MAT 255 Differential Equations
2. EGR 250 Introduction to Thermal Engineering/ ME 331 Intro to Fluid and Thermal Energy Transport
3. ME 361 Mechanics of Materials
4. ME 421 Vibrations and Controls

Semester V

1. ME 482 Fluid and Thermal System Design
2. ME 372 Properties of Materials
3. ME 486 Mechanical Systems Design
4. ECN 150 Economic

Semester VI

1. ME 456 Energy Systems Analysis and Design
2. ME 488 Mechanical Computer-Aided Engineering
3. ME 480 Senior Project

4.3. Degree on Naval Engineering. Requirements for a bachelor's degree in naval engineering:

General requirements:

1. MAT 154 Calculus I, 8
2. MAT 155 Calculus II, 8
3. MAT 255 Differential Equations, 8
4. MAT 275 Linear Algebra, 8
5. CHM 143 Chemical Principles, 8
6. PHY 151 Introductory Physics, 10
7. ENG 151 English, 10

Engineering core

8. EGR 141 Computer Problem Solving in Engineering and Computer Science,8
9. EGR 240 Introduction to Electrical and Computer Engineering,6
10. EGR 280 Design and Analysis of Electromech. /EGR 205 Elect. Ship Systems,7

Professional subjects required

11. ME 250 Intro to Thermal Engineering / ME 331 Intro to Fluid and Thermal Energy Transport, 8
12. ME 322 Engineering Mechanics, 8
13. ME 308 Design and Computer Aided Design, 8
14. ME 372 Properties of Materials / NE310 Shipbuilding Technology,10
15. ME 361 Mechanics of Materials, 8
16. NE 210 Hydrostatics and Stability of Ships, 7
17. NE 320 Naval Constructions, 8
18. NE 330 Motion Machines and Plants on Vessels, 8
19. NE 340 Hydrodynamics of Ships, 8
20. NE 350 Marine Auxiliary Equipments and systems, 8
21. NE 360 Ship Design, 9
22. ME 398 Senior Project, 9

4.3.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. MAT 154 Calculus I
2. PHY 151 Introductory Physics (y)
3. CHM 143 Chemical Principles
4. ENG 151 English(y)

Semester II

1. MAT 155 Calculus II
2. PHY 151 Introductory Physics(y)
3. EGR 141 Computer Problem Solving in Eng and Comp Science
4. ENG 151 English(y)
5. MAT 275 Linear Algebra

Semester III

1. EGR 280 Design and Analysis of Electromech. Systems/ EGR 205 Electrical Ship Systems
2. ME 308 Design Eng. and Computer Aided Design
3. EGR 240 Introduction to Electrical and Computer Engineering
4. ME 322 Engineering Mechanics

Semester IV

1. MAT 255 Differential Equations
2. EGR 250 Intro to Thermal Eng /ME 331 Intro to Fluid and Thermal Energy Transport

3. NE 210 Hydrostatics and Stability of Ships
4. ME 361 Mechanics of Materials

Semester V

1. ME 372 Properties of Materials /NE 310 Shipbuilding Technology
2. NE 320 Naval Constructions
3. NE 330 Motion Machines and Plants on Vessels
4. NE 340 Hydrodynamics of Ships

Semester VI

1. NE 350 Marine Auxiliary Equipments and systems
2. NE 360 Ship Design
3. NE 370 Senior Project

5. Department of Navigation

5.1. Faculty.

- Shkelqim Sinanaj
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- Ermal Xhelilaj
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5.2. Degree in Navigation. Requirements for a bachelor's degree in naval engineering are as follows:

Mathematics and Science

1. MAT 154 Calculus I, 8

2. MAT 155 Calculus II, 8
 3. MAT 255 Differential Equations, 8
 4. MAT 275 Linear Algebra, 8
 5. CHM 143 Chemical Principles, 8
 6. PHY 151-152 Introductory Physics, 10
 7. ENG 151 English, 10
- Engineering core

8. EGR 141 Computer Problem Solving in Engineering and Computer Science,8
9. ME 322 Engineering Mechanics, 8

Professional subjects Required:

10. N211 Safety Of Life In Sea, 8
11. N212 Meteorology And Oceanography, 7
12. N213 Navigation Cartography, 8
13. N221 Steering The Ship, 7
14. N222 Ship Theory, 7
15. N224 Maritime Navigation, 7
16. N311 Navigation, 10
17. N312 Astronavigation, 8
18. N313 The Elaboration Technology Of The Ship, 7
19. N321 Ship Management, 10
20. N322 Sea Law, 9
21. N323 Senior project, 8

5.2.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. MAT 154 Calculus I
2. PHY 151-152 Introductory Physics (y)
3. ENG 151 English (y)
4. CHM 143 Chemical Principles

Semester II

1. MAT 155 Calculus II
2. ENG 151 English (y)
3. PHY 151-152 Introductory Physics (y)
4. MAT 275 Linear Algebra
5. EGR 141 Computer Problem Solving in Engineering and Computer Science

Semester III

1. ME 322 Engineering Mechanics
2. N211 Safety Of Life In Sea

3. N212 Meteorology And Oceanography
4. N213 Navigation Cartography

Semester IV

1. MAT 255 Differential Equations
2. N221 Steering the ship
3. N222 Ship theory
4. N224 Maritime navigation

Semester V

1. N313 The Elaboration Technology Of The Ship
2. N311 Navigation
3. N312 Astronavigation

Semester VI

1. N321 Ship Management
2. N322 Sea Law
3. N323 Senior project

5.3. Degree on Navigation and Maritime Fishing. Requirements for a bachelor's degree in navigation are as follows:

1. MAT 154 Calculus I, 8
2. MAT 155 Calculus II, 8
3. MAT 255 Differential Equations, 8
4. MAT 275 Linear Algebra, 8
5. CHM 143 Chemical Principles, 8
6. PHY 151-152 Introductory Physics, 10
7. ENG 151 English (y), 10

Engineering core:

8. EGR 141 Computer Problem Solving in Engineering and Computer Science (y), 8

Professional subjects Required:

9. N211 Safety Of Life In Sea, 8
10. N212 Meteorology And Oceanography, 7
11. N213 Navigation Cartography, 8
12. NP214 Ichthyology and Fish Elaboration, 7
13. N221 Steering the Ship, 7
14. NP222 Biology and Sea Ecology, 7
15. NP223 Fishing Techniques, 8

16. N224 Maritime Navigation, 7
17. N311 Navigation, 10
18. N312 Astronavigation, 8
19. N313 The Elaboration Technology Of The Ship, 7
20. N321 Ship Management, 12
21. NP322 Sea Law, 8
22. NP 398 Senior project, 8

5.3.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. MAT 154 Calculus I
2. PHY 151-152 Introductory Physics
3. ENG 151 English (y)
4. CHM 143 Chemical Principles

Semester II

1. MAT 155 Calculus II
2. ENG 151 English (y)
3. MAT 275 Linear Algebra
4. EGR 141 Computer Problem Solving in Engineering and Computer Science
5. PHY 151-152 Introductory Physics

Semester III

1. N211 Safety Of Life In Sea
2. N212 Meteorology And Oceanography
3. N213 Navigation Cartography
4. NP214 Ichthyology and Fish Elaboration

Semester IV

1. MAT 255 Differential Equations
2. N221 Steering the Ship
3. N224 Maritime Navigation
4. NP223 Fishing Techniques

Semester V

1. NP222 Biology and Sea Ecology
2. N311 Navigation
3. N312 Astronavigation

4. N313 The Elaboration Technology Of The Ship

Semester VI

1. N321 Ship Management
2. NP322 Sea Law
3. NP 398 Senior project

6. Department of Physics

6.1. Faculty.

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6.2. Degree in Physics.

7. Department of Bio-Chemistry

7.1. Faculty.

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7.2. Degree in Bio-Chemistry. Below are the requirements for the bachelor's degree in bio-chemistry.

1. MAT 154 Calculus (y)
2. CHEM 143 General Chemistry
3. BIO 143 General Botany (y)
4. PHYS 151 Physics
5. ENG 131 Foreign Language
6. BIO 145 Histology
7. CSE 131 Informatics
8. BIO 250 Zoology
9. CHEM 144 Inorganic Chemistry
10. CHEM 245 Organic Chemistry
11. BIO 252 Plant Systematic
12. BIO 255 Microbiology
13. BIO 260 Physiology
14. BIO 262 Cell and Molecular Biology
15. CHEM 265 Physical Chemistry
16. BIO 312 Genetics
17. BIO 320 Fundamentals of Ecology (y)
18. BIO 325 Biotechnology
19. BIO 330 Biochemistry
20. BIO 340 Human Anatomy
21. BIO 350 Evolution Theory
22. CHEM 370 Analytic Chemistry and Instrumental Methods

7.2.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. MAT 154 Calculus (y)
2. CHEM 143 General Chemistry
3. BIO 143 General Botany (y)
4. PHYS 151 Physics
5. ENG 131 Foreign Language

Semester II

1. MAT 154 Calculus (y)
2. CHEM 144 Inorganic Chemistry
3. BIO 143 General Botany (y)
4. BIO 145 Histology

5. CSE 131 Informatics

Semester III

1. BIO 250 Zoology
2. CHEM 245 Organic Chemistry
3. BIO 252 Plant Systematic
4. BIO 255 Microbiology

Semester IV

1. BIO 260 Physiology
2. BIO 262 Cell and Molecular Biology
3. CHEM 265 Physical Chemistry

Semester V

1. BIO 312 Genetics
2. BIO 320 Fundamentals of Ecology (y)
3. BIO 325 Biotechnology
4. BIO 330 Biochemistry

Semester VI

1. BIO 320 Fundament of Ecology (y)
2. BIO 340 Human Anatomy
3. BIO 350 Evolution Theory
4. CHEM 370 Analytic Chemistry and Instrumental Methods

CHAPTER 3

College of Social Sciences and Education

1. Department of Albanian Language and Literature

1.1. Faculty.

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1.2. Degree in Albanian Language and Literature. Here are the requirements for the bachelor's degree:

1. ALB 131 Introduction to language, 10
2. ALB 132 Old Literature and National Renaissance (y),10
3. ALB 133 Ancient Literature, 8
4. ALB 151 Medieval Literature, 8
5. ALB 155 Introduction of Literature Science,8
6. ALB 165 Lexicology, 8
7. ALB 221 Foreign Literature of XIX century (y, 10
8. ALB 223 Contemporary Albanian Literature (y, 10
9. ALB 225 Sociolinguistics, 8
10. ALB 231 Phonetics, 6
11. ALB 251 Dialectology, 8
12. ALB 267 Morphology (y), 10
13. ALB 311 Introduction of Albanian Language History And The History Of Phonetics(y), 10
14. ALB 322 Foreign Literature of XX Century(y), 10
15. ALB 343 Syntax of Albanian Language(y),10
16. ALB 355 Theory of literature, 8
17. ALB 361 Contemporary Albanian Literature 3(y), 10

Elective courses:

18. ALB 241 Theory of Translation, 6
19. ALB 255 Academic writing, 4
20. ALB 278 Text Semiotics, 6
21. ALB 281 Etnofolklor, 6
22. ALB 320 Esthetics, 6
23. ALB 324 Literature of Arberesh, 6
24. ALB 331 Pragmatics and Stylistics, 6
25. ALB 342 Practicum, 4
26. ITAL255 Latin, 4
27. ALB 398 Senior project, 6

1.2.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. ALB 131 Introduction to language
2. ALB 132 Old Literature and National Renaissance (y)
3. ALB 133 Ancient Literature
4. ENG 220 or FRE 220
5. ALB 255 Academic writing)

Semester II

1. ALB 151 Medieval Literature
2. ALB 155 Introduction of Literature Science
3. ALB 231 Phonetics
4. ENG 220 or FRE 220
5. ALB 132 Old Literature and National Renaissance (y)

Semester III

1. ALB 267 Morphology (y)
2. ALB 221 Foreign Literature of XIX century (y)
3. ALB 251 Dialectology
4. ALB 165 Lexicology
5. ALB 223 Contemporary Albanian Literature (y)

Semester IV

1. ALB 267 Morphology (y)
2. ALB 225 Sociolinguistics
3. ALB 223 Contemporary Albanian Literature (y)
4. ALB 221 Foreign Literature of XIX century (y)
4. One of the following (ALB 278, ALB 241, ALB 281)

Semester V

1. ALB 343 Syntax of Albanian Language(y)
2. ALB 361 Contemporary Albanian Literature 3 (y)
3. ALB 311 Introduction of Albanian Language History And The History Of Phonetics (y)
4. ALB 355 Theory of Literature
5. ALB 322 Foreign Literature of XX Century (y)

Semester VI

1. ALB 343 Syntax of Albanian Language(y)
2. ALB 361 Contemporary Albanian Literature 3 (y)
3. ALB 322 Foreign Literature of XX century (y)

4. ALB 311 Introduction of Albanian Language History And The History Of Phonetics (y)
5. One of the following (ALB 320, ALB 324, ALB 331)
4. ALB 398 Senior Project

2. Department of Foreign Languages

2.1. Faculty.

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2.2. English Language and Literature. Linguistic Subjects:

1. ALB 150 Albanian Language (y), 10
2. ENG 131 English Language Skills I, 7
3. ENG 132 English Language Skills II, 7
4. ENG 151 English Grammar I, 7

5. ENG 152 English Grammar II, 8
6. ENG 170 Composition, 7
7. ENG 171 Academic Writing, 7
8. ENG 193 English Phonology, 7
9. ENG 231 English Language Skills III (y), 10
10. ENG 255 Introduction to Linguistics, 8
11. ENG 331 English Language Skills IV (y), 10
12. ENG 341 Semantics, 8
13. ENG 356 General Linguistics, 8
14. ENG 364 Stylistics, 8
15. ENG 375 Public Speaking, 8
16. ITA 220 Foreign Language (y), 10
- FRE 220 Foreign Language (y), 10
17. ENG 398 Senior Project, 8

Literary and Cultural Subjects

18. ENG 262 British Culture, 8
19. ENG 263 American Culture, 8
20. ENG 281 Introduction to Literary Theory, 8
21. ENG 381 Literature (y), 10
22. ALB 289 Psychology, 8; ALB 290 Western Civilization, 8

2.2.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. ENG 131 English Language Skills I
2. ENG 151 English Grammar I
3. ALB 150 Albanian Language (y)
4. ENG 170 Composition

Semester II

1. ENG 132 English Language Skills II
2. ENG 152 English Grammar II
3. ALB 150 Albanian Language (y)
4. ENG 171 Academic Writing
5. ENG 193 English Phonology

Semester III

1. ENG 231 English Language Skills III (y)
2. ITA 220 Foreign Language (y)
3. FRE 220 Foreign Language (y)
4. ENG 281 Introduction to Literary Theory

5. ENG 262 British Culture

Semester IV

1. ENG 231 English Language Skills III (y)
2. ITA 220 Foreign Language (y)
3. FRE 220 Foreign Language (y)
4. ENG 255 Introduction to Linguistics
5. ENG 263 American Culture
6. ALB 289 Psychology
7. ALB 290 Western Civilization

Semester V

1. ENG 331 English Language Skills IV (y)
2. ENG 341 Semantics
3. ENG 356 General Linguistics
4. ENG 381 Literature (y)

Semester VI

5. ENG 331 English Language Skills IV (y)
6. ENG 364 Stylistics
7. ENG 375 Public Speaking
8. ENG 381 Literature (y)
9. ENG 398 Senior Project

2.3. Italian Language. Linguistic Subjects:

1. ALB 150 Albanian Language (y), 10
2. ITAL 131 Italian Language Skills I, 7
3. ITAL 132 Italian Language Skills II, 7
4. ITAL 151 Italian Grammar I, 7
5. ITAL 152 Italian Grammar II, 8
6. ITAL 170 Art of writing, 7
7. ITAL 171 Academic Writing, 7
8. ITAL 193 Italian Phonology, 7
9. ITAL 231 Italian Language Skills III (y), 10
10. ITAL 255 Latin, 8
11. ITAL 331 Text Linguistics IV (y), 10
12. ITAL 341 Semantics, 8
13. ITAL 356 General Linguistics, 8
14. ITAL 364 History of Italian Language, 8
15. ITAL 375 Translation, 8
16. ENG 220 Foreign Language (y), 10 FRE 220 Foreign Language (y), 10
17. ITAL 398 Senior Project, 8

Literary and Cultural Subjects:

18. ITAL 262 Italian History, 8
19. ITAL 263 Italian Culture, 8
20. ITAL 365 Sociolinguistics, 8
21. ITAL 381 Italian Literature (y), 10
22. ALB 289 Psychology, 8; ALB 290 Western Civilization, 8

2.3.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. ITAL 131 Italian Language Skills I
2. ITAL 151 Italian Grammar I
3. ALB 150 Albanian Language (y)
4. ITAL 170 Composition

Semester II

1. ITAL 132 Italian Language Skills II
2. ITAL 152 Italian Grammar II
3. ALB 150 Albanian Language (y)
4. ITAL 171 Academic Writing
5. ITAL 193 Italian Phonology

Semester III

1. ITAL 231 Italian Language Skills III (y)
2. ENG 220 Foreign Language (y) FRE 220 Foreign Language (y)
3. ITAL 255 Latin
4. ITAL 262 Italian History

Semester IV

1. ITAL 231 Italian Language Skills III (y)
2. ENG 220 Foreign Language (y) FRE 220 Foreign Language (y)
3. ITAL 356 General Linguistics
4. ITAL 263 Italian Culture
5. ALB 289 Psychology
6. ALB 290 Western Civilization

Semester V

1. ITAL 331 Text Linguistics IV (y)
2. ITAL 341 Semantics
3. ITAL 364 History of Italian Language

4. ITAL 381 Italian Literature (y)

Semester VI

1. ITAL 331 Text Linguistics IV (y)
2. ITAL 365 Sociolinguistics
3. ITAL 375 Translation
4. ITAL 381 Italian Literature (y)
5. ITAL 398 Senior Project

3. Department of Elementary Education**3.1. Faculty.**

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3.2. Degree in elementary education. 1. EDU 131 Introduction to Psychology, 6

2. ALB 150 Albanian Language I,II, 12 (y)
3. MAT 154,155 Mathematics I,II,12
4. EDU 135 Figurative Education and Didactic (y), 10
5. Foreign language (ENG 220 or FRE 220),(y) 5
6. ALB 137 Literature for Elementary School, 5
7. CSE 144 Informatics, 5
8. ALB 255 Academic Writing, 5
9. EDU 233 Psychology of Education, 8
10. EDU 155 Civil Education, 4
11. MAT 250 Didactic of Mathematics (y), 8
12. EDU 232 Psychology of Development (y), 8
13. ALB 401/411 Albanian Language and Literature, 8
14. EDU 234 Musical Education And Didactic (y), 9
15. EDU 240 Pedagogic Practice(y), 7
16. EDU 231 Teaching Methods, 4
17. EDU 320 Nature Knowledge(y), 8
18. EDU 331 Sociology and Philosophy of Education(y), 5
19. EDU 330 Care of Yourself, 4
20. EDU 333 Technological Education, 5
21. EDU 325 Physical Education and Didactic, 4
22. EDU 252 Albanian People History And Didactic, 4
23. EDU 220,EDU 236 Elective course (y), 10
24. EDU 398 Senior Project, 6

3.2.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semestri I

1. EDU 131 Introduction to Psychology
2. ALB 150 Albanian Language I (y)

3. MAT 154 Mathematics I
4. EDU 135 Figurative Education and Didactic (y)
5. Foreign language (ENG 220 or FRE 220) (y)
6. ALB 137 Literature for Elementary School

Semestri II

1. ALB 150 Albanian Language II (y)
2. MAT 155 Mathematics II
3. EDU 135 Figurative Education and Didactic (y)
4. CSE 144 Informatics
5. Foreign language (ENG 220 or FRE 220) (y)
6. ALB 255 Academic Writing

Semester III

1. EDU 233 Psychology of education
2. EDU 155 Civil Education
3. MAT 250 Didactic of Mathematics (y)
4. EDU 232 Psychology of Development (y)
5. ALB 401/411 Albanian Language and Literature
6. EDU 234 Musical Education and Didactic (y)
7. EDU 240 Pedagogic Practice (y)

Semester IV

1. EDU 231 Teaching Methods
2. EDU 232 Psychology of Development (y)
3. EDU 240 Pedagogic Practice (y)
4. MAT 250 Didactic of Mathematics (y)
5. EDU 234 Musical Education and Didactic (y)
6. ALB 401/411 Albanian Language and Literature
7. Elective course (EDU 220 , EDU 236)

Semester V

1. EDU 320 Nature Knowledge (y)
2. EDU 331 Sociology and Philosophy of Education (y)
3. EDU 330 Care of Yourself
4. EDU 333 Technological Education
5. Elective course I, II (y)
6. EDU 240 Pedagogic Practice (y)

Semester VI

1. EDU 252 Albanian People History And Didactic

2. EDU 325 Physical Education and Didactic
3. EDU 331 Sociology and Philosophy of Education (y)
4. EDU 320 Nature Knowledge (y)
5. Elective course I, II (y)
6. EDU 240 Pedagogic Practice (y)
7. EDU 398 Senior Project

3.3. Degree in Preschool Education.

3.3.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semestri I

1. EDU 131 Introduction to Psychology,5
2. ALB 150 Albanian Language I,6
3. MAT 154 Mathematics I,7
4. EDU 155 Civil Education of Children Pre Elementary School (y), 6
5. Foreign language (ENG 220 or FRE 220) (y) ,2
6. ALB 137 Literature ,5

Semestri II

1. EDU 160 Mathematics Through Gaming, 4
2. ALB 267 Albanian Language II, 6
3. EDU 135 Design And Didactic
4. EDU 155 Civil Education of Children Pre Elementary School (y) ,3
5. CSE 144 Informatics,5
6. Foreign language (ENG 220 or FRE 220) (y) ,2
7. EDU 145 Psychology of Development, 6

Semestri III

1. EDU 233 Psychology of Education
2. EDU 331 Sociology and Philosophy of Education
3. EDU 234 Musical Education And Didactic(y), 5
4. MAT 250 Mathematic's Didactic (y), 4
5. ALB 401 Albanian Language and Literature (y),4
6. EDU 240 Pedagogic Practice (y), 4

Semestri IV

1. EDU 234 Musical Education And Didactic(y), 5
2. EDU 223 Social World of the Child,5
3. EDU 252 Albanian People History And Didactic, 5
4. MAT 250 Mathematic's Didactic (y), 4
5. ALB 401 Albanian Language and Literature(y), 4
6. One of the following (EDU 355 Education of Children's right/EDU 341 History Of Pedagogic Thoughts),4

7. EDU 240 Pedagogic Practice (y), 4

Semestri V

1. EDU 320 Nature Knowledge(y), 4
2. EDU 224 Dolls, Drama, Medias , 4
3. EDU 333 Technological Education, 4
4. One of the following (EDU 335 Game Psychology, EDU 210 Choreography),
3
5. EDU 240 Pedagogic Practice (y), 6

Semestri VI

1. EDU 320 Nature Knowledge(y), 4
2. EDU 349 Pedagogy of Familiar Education, 4
3. EDU 325 Didactics Of Gymnastics Education, 6
4. EDU 330 Care of Yourself, 4
5. One of the following (EDU 345 Methods of Science Research, EDU 238
Special Education), 3
6. EDU 240 Pedagogic Practice (y), 12
7. PSH 398 Final Project, 6

3.4. Specialized Pedagogy.

CHAPTER 4

College of Economy and Law

1. Department of Business

1.1. Faculty.

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1.2. Degree in Business. .

General subjects

1. MAT 121 Mathematics (y), 10
2. ECN 170 Economics (y), 5
3. ACC 211 Financial Accounting (y), 5
4. STAT 226 Probability and Statistics, 8

Special core

5. MGT 141 Business Management, 8
6. HRM 242 Introduction to the Management of Human Resources, 8
7. MSI 201 MIS, 8
8. ORG 230 Introduction to Organizational Behavior, 8
9. POM 343 Operations Management, 8
10. MGT 335 Management Strategies and Policies, 7
11. MGT 336 Global Perspective, 7
12. COM 201 Communication, 8
13. MKT 331 Marketing, 5
14. FIN 222 Managerial Finance (y), 5
15. ECN 272 Managerial Economics, 8
16. LEG 152 Laws, 6
17. ACC 312 Cost Accounting and Management, 8

Elective courses

18. ORG 331/ORG 332 Leadership and Group Performance / Labor/Management Relations, 7
19. ECN 371/FIN 322 Econometric models/ Financial Institutions and Capital Markets, 7
20. CES 131 Informatics, 8
21. ENG 131 English, 5
22. Senior Project, 6

1.2.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. MAT 121 Mathematics (Y)
2. ECN 170 Economics (Y)
3. CES 131 Informatics
4. ENG 131 English Language (Y)
5. MGT 141 Business Management

Semester II

1. MAT 121 Mathematics (Y)
2. ECN 170 Economics (Y)
3. ENG 131 English Language (Y)
4. STAT 226 Probability and Statistics
5. LEG 152 Laws

Semester III

1. COM 201 Communication
2. ACC 211 Financial Accounting (Y)
3. HRM 242 Introduction to the Management of Human Resources
4. MSI 201 MIS
5. FIN 222 Managerial Finance (Y)

Semester IV

1. ACC 211 Financial Accounting (Y)
2. FIN 222 Managerial Finance (Y)
3. ORG 230 Introduction to Organizational Behavior
4. ECN 272 Managerial Economics

Semester V

1. POM 343 Operations Management
2. ACC 312 Cost Accounting and Management
3. ECN 371/FIN 322 Econometric models/ Financial Institutions and Capital Markets
4. MKT 331 Marketing (Y)

Semester VI

1. MGT 335 Management Strategies and Policies
2. MGT 336 Global Perspective
3. ORG 331/ORG 332 Leadership and Group Performance / Labor/Management Relations

4. MKT 331 Marketing (Y)
5. Senior Project

2. Department of Tourism

2.1. Faculty.

- Fioralba Velaj, Head of Department
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- Besjana Roshi
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- Elenica Pjero
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- Xhiliola Agaraj
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- Ermelinda Tolica
email: etolica@univlora.edu.al
- Evelina Bazina
email: ebazina@univlora.edu.al

2.2. Degree in tourism management. General subjects:

1. MAT 121 Mathematics (Y)10
2. ECN 170 Economics (Y),10
3. ACC 211 Financial Accounting (Y),10
4. STAT 226 Probability and Statistics,8

Special core:

5. HT 221 Tourism Introduction, 8
6. HT 290 Hospitality Tourism Enterprisers, 8
7. HT 354 Destination and Travel Management,5
8. HT 243 Tourism Economics, 7
9. HT 214 Transport economics, 7
10. HT 252 Environment Economy , 6
11. HT 351 Management of tourism enterprisers, 8
12. HT 364 Tourism strategy, 8
13. MKT 231 Marketing, 5
14. MIS 301 Management Information Systems In Tourism, 6
15. MGT 141 Business Management, 8
16. FIN 222 Finance, 5

17. LEG 152 Laws, 6
18. HRM 242 - ORG 230 Introduction to the Management of Human Resources
/ Organizational Behavior ,6
19. HT 353 Tourist Consumer Behavior, 6

Elective courses:

20. CES 131 Informatics, 8
21. ENG 131 English, 5
22. HT 398 Senior project, 10

2.2.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. MAT 121 Mathematics (y)
2. ECN 170 Economics (y)
3. MGT 141 Business Management
4. ENG 131 English (y)
5. CES 131 Informatics

Semester II

1. MAT 121 Mathematics (y)
2. STAT 226 Probability and Statistics
3. ECN 170 Economics (y)
4. LEG 152 Laws
5. ENG 131 English (y)

Semester III

1. ACC 211 Financial Accounting (y)
2. MKT 231 Marketing (y)
3. FIN 222 Finance (y)
4. HT 221 Tourism introduction
5. HT 290 Hospitality Tourism Enterprisers

Semester IV

1. ACC 211 Financial Accounting (y)
2. MKT 231 Marketing (y)
3. FIN 222 Finance (y)
4. HT 243 Tourism Economics
5. HT 214 Transport Economics

Semester V

1. HT 351 Management of Tourism Enterprises
2. HT 352 Environment Economy
3. MIS 301 Management Information Systems In Tourism
4. HT 354 Destination And Travel Management (y)
5. HT 353 Tourist Consumer Behavior

Semester VI

1. HT 364 Tourism Strategy
2. HT 354 Destination And Travel Management (y)
3. HRM 242 - ORG 230 Introduction to the Management of Human Resources
/ Organizational Behavior
4. HT 398 Senior Project

3. Department of Law

3.1. Faculty.

- MA.Eriola Hoxha
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- MA.Juleida Gerxhi
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3.2. Degree on Law.

1. DRE 110 Roman Law, 7
2. DRE 120 The History Of The Institutions, 7
3. DRE 130 The Civil Law (y), 10
4. DRE 140 Constitutional Law (y), 10
5. DRE 150 Public Law, 8
6. ENG 131, FRE 131, ITAL 131 (y), 10
7. CES 131 Informatics, 8
8. DRE 210 Criminal Law, The General Part, 9
9. DRE 220 Family Law, 9
10. DRE 230 Labor Law, 9
11. DRE 240 The Subject Of Administrative Law (y), 10
12. DRE 260 History Of The State And The Rights, 9
13. DRE 270 The Criminal Law, The Prerogative Part, 9
14. DRE 310 Criminal Procedure (y), 10
15. DRE 320 The Civil Procedural Law (y), 10
16. DRE 330 The Law Of Taxes (y), 10
17. DRE 340 The Public International Law, 7
18. DRE 350 Criminology, 5
19. DRE 370 European law, 7
20. DRE 398 Senior Project, 6

Elective courses

21. DRE 280 The Financial Law, 5
DRE 281 The Human Rights, 5
DRE 282 Logic, 5
22. DRE 360 The Legal And Notary Profession, 5
DRE 361 The Law Of Trade And Bankruptcy, 5
DRE 362 Medical Law, 5

3.2.1. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. DRE 110 Roman Law
2. DRE 120 The History Of The Institutions
3. DRE 130 The Civil Law (y)
4. DRE 140 Constitutional Law (y)
5. DRE 150 Public Law
6. ENG 131, FRE 131, ITAL 131 (y)

Semester II

1. DRE 130 The Civil Law (y)
2. DRE 140 Constitutional Law (y)
3. CES 131 Informatics
4. ENG 131, FRE 131, ITAL 131 (y)

Semester III

- 1 DRE 210 Criminal Law, The General Part
- 2 DRE 220 Family Law
- 3 DRE 230 Labor law
- 4 DRE 240 The Subject Of Administrative Law (y)

Semester IV

- 1 DRE 260 History Of The State And The Rights
2. DRE 270 The Criminal Law, The Prerogative Part
- 4 DRE 240 The Subject Of Administrative Law (y)
5. One of the following (DRE 280 The Financial Law,
DRE 281 The Human Rights,
DRE 282 Logic)

Semester V

- 1 DRE 310 Criminal Procedure (y)
- 2 DRE 320 The Civil Procedural Law (y)
- 3 DRE 330 The Law Of Taxes (y)
- 4 DRE 340 The Public International Law
- 5 DRE 350 Criminology
- 6 DRE 370 European law

Semester VI

- 1 DRE 310 Criminal Procedure (y)
- 2 DRE 320 The Civil Procedural Law (y)
- 3 DRE 330 The Law Of Taxes (y)
4. One of the following (DRE 360 The Legal And Notary Profession
DRE 361 The Law Of Trade And Bankruptcy
DRE 362 Medical Law)
5. DRE 398 Senior Project

CHAPTER 5

College of Public Health

1. Faculty

- Hito Jazaj, Prof. As.
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- E.Allushi
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2. Nursing

1. CES 131 Informatics, Statistic , 5
2. INF 101 Medical Terminology,Foreign Language, 6
3. INF 102 Bases of Genetic Biology, 6
4. INF 110 Basic Human Science, 6
5. INF 120 Preventive Health Sciences, 5
6. INF 130 Human Anatomy, 8
7. INF 140 Preclinical Sciences, 8
8. INF 150 Clinical Diagnostics, 8
9. INF 160 General Basis of Nursing,Professional Practice, 13
10. INF 220 Surgery And Applied Clinical Nursing, 13
11. INF 230 Obstetric - Gynecology And Applied Clinical Nursing, 12.5
12. INF 240 Intensive Care, 6.5
13. INF 250 Mental Health And Applied Clinical Nursing, 5
14. INF 260 Orthopedics and Radiology, 5.5
15. INF 270 Pharmacology,Pathologic Anatomy, 6
16. INF 280 Dietetics,Infectious Diseases, 6.5
17. INF 310 Research Methodology and Geriatrics, 6
18. INF 320 Internal Diseases And Applied Clinical Nursing,14
19. INF 330 Pediatrics And Applied Clinical Nursing, 17
20. INF 340 Nursing Emergency And Professional Practices, 9
21. INF 350 Optional Subjects, 9
22. INF 398 Senior Project, 5

2.0.2. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. INF 101 Medical Terminology,Foreign language(y)

2. INF 102 Bases Of Genetic Biology(y)
3. INF 110 Basic Human Science(y)
4. INF 120 Preventive Health Sciences(y)
5. INF 130 Human Anatomy(y)
6. INF 140 Preclinical Sciences(y)
7. INF 150 Clinical Diagnostics(y)
8. INF 160 General Basis Of Nursing,Professional Practice(y)

Semester II

1. ENG 131 Foreign language
2. INF 102 Bases Of Genetic Biology(y)
3. INF 110 Basic Human Science(y)
4. INF 120 Preventive Health Sciences(y)
5. INF 130 Human Anatomy(y)
6. INF 140 Preclinical Sciences(y)
7. INF 150 Clinical Diagnostics(y)
8. INF 160 General Basis Of Nursing,Professional Practice(y)

Semester III

1. CES 131 Informatics, Statistic
2. INF 220 Surgery And Applied Clinical Nursing (y)
3. INF 230 Obstetric - Gynecology And Applied Clinical Nursing(y)
4. INF 250 Mental Health And Applied Clinical Nursing
5. INF 260 Orthopedics and Radiology(y)
6. INF 270 Pharmacology,Pathologic Anatomy(y)

Semester IV

1. CES 131 Informatics, Statistic
2. INF 220 Surgery and Applied Clinical Nursing(y)
3. INF 230 Obstetric - Gynecology And Applied Clinical Nursing(y)
4. INF 240 Intensive Care
5. INF 260 Orthopedics and Radiology(y)
6. INF 270 Pharmacology,Pathologic Anatomy(y)
7. INF 280 Dietetics,Infectious Diseases

Semester V

1. INF 310 Research Methodology And Geriatrics
2. INF 320 Internal Diseases And Applied Clinical Nursing(y)
3. INF 330 Pediatrics And Applied Clinical Nursing(y)
4. INF 340 Nursing Emergency And Professional Practices(y)
5. INF 350 Optional Subjects(y)

Semester VI

1. INF 320 Internal Diseases And Applied Clinical Nursing(y)
2. INF 330 Pediatrics And Applied Clinical Nursing(y)
3. INF 340 Nursing Emergency And Professional Practices(y)
4. INF 350 Optional Subjects(y)
5. INF 398 Senior Project

3. Infirmieri-Mami

1. CES 131 Informatics, Statistic , 5
2. INM 101 Medical Terminology,ENG 131 Foreign Language (y), 6
3. INM 102 Bases Of Genetic Biology (y), 6
4. INM 110 Basic Human Science (y), 6
5. INM 120 Preventive Health Sciences (y), 5
6. INM 130 Human Anatomy (y), 8
7. INM 140 Preclinical Sciences (y), 8
8. INM 150 Clinical Diagnostics (y), 8
9. INM 160 General Basis Of Nursing,Professional Practice (y), 13
10. INM 220 Surgery And Applied Clinical Nursing (y), 13
11. INM 230 Obstetric - Gynecology And Applied Clinical Nursing (y), 12.5
12. INM 240 Intensive Care, 6.5
13. INM 250 Mental Health And Applied Clinical Nursing, 5
14. INM 260 Anatomy And Physiology Of Birth Delivery,Embryology, 5.5
15. INM 270 Pharmacology,Pathologic Anatomy, 4
16. INM 280 Dietetics,Infectious Diseases, 6.5
17. INM 310 Research Methodology And Geriatrics, 6
18. INM 320 Internal Diseases And Applied Clinical Nursing, 14
19. INM 330 Pediatrics And Applied Clinical Nursing (y), 17
20. INM 340 Nursing Emergency And Professional Practices, 9
21. INM 350 Obstetric - Gynecology And Applied Clinical Nursing 3, 9
22. INM 398 Senior Project, 5

3.0.3. *Suggested plan of study.* The following is a suggested plan of study. The student can make up his/her own plan according to his/her interests.

Semester I

1. INM 101 mEDICAL TERMINOLOGY,ENG 131 Foreign Language (y)
2. INM 102 Bases Of Genetic Biology (y)
3. INM 110 Basic Human Science (y)
4. INM 120 Preventive Health Sciences (y)
5. INM 130 Human Anatomy (y)
6. INM 140 Preclinical Sciences (y)
7. INM 150 Clinical Diagnostics (y)
8. INM 160 General Basis Of Nursing,Professional Practice (y)

Semester II

1. ENG 131 Foreign Language (y)
2. INM 102 Bases Of Genetic Biology (y)
3. INM 110 Basic Human Science (y)
4. INM 120 Preventive Health Sciences (y)
5. INM 130 Human Anatomy (y)
6. INM 140 Preclinical Sciences (y)
7. INM 150 Clinical Diagnostics (y)
8. INM 160 General Basis Of Nursing,Professional Practice (y)

Semester III

1. CES 131 Informatics, Statistic
2. INM 220 Surgery And Applied Clinical Nursing (y)
3. INM 230 Obstetric - Gynecology And Applied Clinical Nursing (y)
4. INM 250 Mental Health And Applied Clinical Nursing
5. INM 260 Anatomy And Physiology Of Birth Delivery, Embryology
6. INM 270 Pharmacology,Pathologic Anatomy

Semester IV

1. INM 220 Surgery And Applied Clinical Nursing (y)
2. INM 230 Obstetric - Gynecology And Applied Clinical Nursing (y)
3. INM 240 Intensive Care
4. INM 280 Dietetics,Infectious Diseases

Semester V

1. INM 310 Research Methodology And Geriatrics
2. INM 320 Internal Diseases And Applied Clinical Nursing
3. INM 330 Pediatrics And Applied Clinical Nursing (y)
4. INM 350 Obstetric - Gynecology And Applied Clinical Nursing 3

Semester VI

1. INM 320 Internal Diseases And Applied Clinical Nursing
2. INM 330 Pediatrics And Applied Clinical Nursing (y)
3. INM 340 Nursing Emergency And Professional Practices
4. INM 398 Senior Project

Part 3

Course Descriptions

CHAPTER 6

College of Sciences and Engineering

EGR 120 Engineering Graphics and CAD: An introduction to the techniques for creating solid models of engineering designs. Topics include three-dimensional modeling of parts and assemblies, visualization, orthographic project views and layouts, auxiliary, sectional, and cutout views, exploded views, dimensioning and tolerancing, bill of materials, and computer-generated design documentation. Offered fall, winter.

EGR 141 Computer Problem Solving in Engineering: General methods of problem solving and principles of algorithmic design using a high-level language such as Visual Basic.NET. Introduction to MATLAB. Applications will be drawn from problems in mechanical, electrical and computer engineering and computer science. Offered fall, winter. Corequisite: MAT 154 or equivalent.

EGR 225 Electric Equipments on Ships: Ship Electric System Characteristics. Frequency and voltage in the marine systems. Electric balance. Electric systems schemes. Symbols used in the electric schemes. Examples of the electric schemes. Automation. Control theory. Mathematical basis. Analog control. Power consumers. Asynchronous motor; starting, speed regulation and protection of the asynchronous motor. Direct current motor. Ward-Leonard transmission. Maintenance of the motors. Electric propulsion of the ships, direct and alternate current. Examples of the electric propulsion. Lighting consumers. Incandescent and fluorescent lamps. Normal and emergency circuits. Signal circuits. Special installations. Machines' telegraphs. Transducers and their application. Temperature, pressure and angles meters. Electric power production. Power and number of the production groups. Electric stations. Primary mechanical motors. Distribution of the electric power. Primary and secondary nets. Distribution schemes. Simple and compound radial scheme. Primary and emergency panels. Converters and transformers. Circuit breakers and circuit relays. Types of the electric circuits protections. Relay characteristics. Fuses. Coordination of the protection. Insulation materials and naval cables. Insulation materials characteristics. Naval cables dimensioning. Piles and accumulators. Metal's corrosion and cathodic protection. Rectifiers and invertors.

EGR 240 Introduction to Electrical and Computer Engineering: An introduction to the fundamentals of electrical and computer engineering: DC and AC circuits, digital logic circuits, combinational logic design, sequential circuits, introduction to electronics, operational amplifiers, DC electromechanical machines. With laboratory. Offered fall, winter. Prerequisite: EGR 141; Corequisites: MAT 155, PHY 151.

EGR 241 Electronics 2: The course treats the main schemes of electronic amplifiers, generators and integrated circuits which are used in the design of automatic regulators of power sources and in other technological process. It also aims to give knowledge on the construction of logic families and the basic elements of numerical electronics.

EGR 242 Digital electronics: Introduction to Digital Circuits and Components, Combinational circuits, sequential circuits, implementation of digital ics Principles and characterization of logic circuits. Design and analysis techniques for applied logic circuits. Transmission lines in digital applications. Families of circuit logic currently in use and their characteristics, coping with interconnect, timing issues, arithmetic building blocks.

EGR 260 Introduction to Industrial and Systems Engineering: Probability and statistics in manufacturing, conditional probability, Bayes' theorem, probability distribution functions, statistics and sampling distributions, hypothesis testing, engineering economic analysis, project management and systems analysis. Offered fall, winter. Prerequisite: EGR 141.

EGR 280 Design and Analysis of Electromechanical Systems: Design, analysis, and testing of electromechanical systems; statics, linear and rotational dynamics; introduction to microprocessors, team design project dealing with technical, economic safety, environmental, and social aspects of a real-world engineering problem; written, oral, and visual communication, engineering ethics.

EGR 289 Automatic Control Systems: Basic knowledge about automatic control systems, processes of control, destination, design, criteria, mathematics bases and computer processing, Laplace transformations.

1. Department of Computer Science and Electrical Engineering (01)

CIT 122 Computer Animation: Computer animation is an increasingly critical component of human-computer-interaction, computer games, movie industry, and scientific and engineering visualization. This course covers the fundamental concepts underlying animation, discusses the characteristics and constraints of the different techniques and how they fit together, and teaches students the skills to create animations and computer games. This course is lab-intensive. Offered fall, winter. Satisfies the university general education requirement in the formal reasoning knowledge foundation area. Prerequisites: CSE 110 and MAT 012 or equivalent.

CIT 222 Interactive Multimedia Technology: Use of digital multimedia authoring tools to create, manipulate, and publish multimedia contents and applications. The lectures will cover various types of media: text, image, sound and techniques for storing, compressing, combining, animating, and using these media. The course is mainly driven by projects in which the students develop a multimedia application. Satisfies the university general education requirement in the knowledge application integration area. Prerequisite for knowledge application: completion of the general education requirement in the formal reasoning knowledge foundation area. Prerequisites: CSE 120 or CSE 130 or CIT 120 or CIT 122 or CIT 130 or equivalent.

CIT 248 Computer Systems: Introduction to computer systems. Topics cover computer system components including hardware components, storage devices, memory, graphics accelerators, device and communications interfaces, and, CISC and RISC processors, operating systems and network operating systems. Issues in cost, performance, security, and compatibility are also considered. Prerequisite: CIT 230 or equivalent.

CIT 336 Numerical Control: Main signals in the numerical control systems. Z' transformation of SKN. Discrete equations of the state, stability of SKN, direction schemas, general block schema, PID numeric regulator, algorithms of adaptation.

CIT 337 Software Engineering and Practice: Introduction to software engineering and practice. Topics include models of software processes, management of the project, analysis of the requirements, security and quality of the software and testing the system. Prerequisite: Knowledge in IT/CSE.

CIT 346 System Administrations and Security: This course surveys the tools and techniques for administering computing systems. Topics include system installation, file systems and directory permission structures, print and disk quotas, device configuration and management, client administration, remote access and remote administration and security. The course has a significant lab component. Prerequisite: Major standing in IT.

CIT 350 Human Computer Interaction: Surveys various components, techniques of Human Computer Interaction (HCI). Topics include the basic perceptual, cognitive and performance capabilities of people and external factors that affect these capabilities, tools, techniques for understanding, predicting, evaluating the interactions of people with technology. Systematic processes for designing, evaluating and revising interactive systems are studied. Prerequisite: Major standing in IT/CS.

CIT 352 Systems Analysis: Theory and practice of designing information systems to meet users needs. Topics include information systems development life cycle, methodologies for requirement analysis, tools for system analysis, rapid prototyping, and analyzing and designing system interfaces. Prerequisite: Major standing in IT.

CIT 397 Practice: This course deals with the knowledge of how to fix hardware and software problems of the PC, how to manage the network of the local institution. How to instal and use different software. To know how to manage and create a database. To learn how to use and to manage electronics device.

CIT 398 Senior Capstone Project: An individual or a team-oriented senior project to synthesize the knowledge and skills gained in the IT curricula. Written and oral reports are required in addition to a working demo. Prerequisite: Senior standing in IT. (Cross-listed with MIS 480). Satisfies the university general education requirements for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

CIT 450 Project Management: This course presents the theory and practice of IT project management. Topics include financial modeling, cost and effort estimation, project risk management, and project evaluation and selection as well

as topics in IT project sponsorship, stewardship and leadership. IT entrepreneurship and marketing are emphasized throughout the course. Prerequisite: Major standing in IT.

CSE 120 Introduction to Computing and Programming using Excel: An introduction to computers and programming. It introduces algorithms for applications that contain integrated development environments (IDEs) such as Microsoft Excel's IDE for Visual Basic for Applications (VBA). Algorithmic topics include repetitive and decision structures, functions, subroutines, and ActiveX controls. Programming topics include application automation and presenting information programmatically. Accompanied by laboratory sessions. Offered fall, winter. (Cross-listed with CIT 120). Satisfies the university general education requirement in the formal reasoning knowledge foundation area.

CSE 130 Introduction to Computer Programming: Introduction to digital computers and algorithmic programming. Topics include: data storage and manipulation, control structures, functions and subprogramming. Introduction to object-oriented programming. Students cannot receive credit for both CSE 130 and EGR 141. Offered fall, winter. (Cross-listed with CIT 130). Satisfies the university general education requirement in the formal reasoning knowledge foundation area.

CSE 144 Introduction to Computers 1: To specialize the students in using computer for general tasks related to office work giving general knowledge about hardware and software, basic features of the Windows operating system, creating and editing documents, using Excel effectively, using Microsoft Power Point,

CSE 145 Introduction to Computers 2: This course is intended to give students basics of databases, with a focus on Access - relational database management systems; general knowledge about databases providing the basic features of the Ms-Access, creating a simple database, using forms and reports, composing queries using QBE. Basic knowledge about Internet and networking; composing and sending email and managing contact information, learning Internet navigation techniques.

CSE 146 Informatics: To specialize the students in using computer for general tasks related to office work giving general knowledge about hardware and software, basic features of the Windows operating system, creating and editing documents, using Excel effectively, using Microsoft Power Point. Introduction to Programming Languages, Pseudo codes, the basics of Pascal language.

CSE 214 General Electrotechnics: Electric nets in the stationary regime: Kirchoff's Laws application to analyze the circuits; effects superposition. Simplified methods of the circuits computation. Electric devices inductivity, self-induction. Capacity and capacitors. Electric nets in the sinusoidal regime. Alternate current, periodic quantities, sinusoidal quantities. Vectorial diagram of the sinusoidal quantities. Circuits with resistance, inductance and capacity in series, parallel and compound. Power in the alternate current circuits. The computation of the alternate current circuits with classical and symbolic methods. Multiphase and three phase circuits. Star and triangle connections of the three phase circuits. General knowledge on electrical measurements. Classification of the meters. The measurement of the current, voltage, resistance and power by different types of meters. Transformers, construction and function principle. Asynchronous machines, construction and function principle; characteristics

and speed regulation. Starting and braking process. Direct current machines, construction, function principle, characteristics and speed regulation. Starting and braking process. Synchronous generator. Function principle and characteristics.

CSE 220 Spreadsheet Programming and Reporting: Introduction to business applications using Visual Basic. Emphasis is on structured programming for automating word processing and spreadsheet applications including creating reports using a report writer for database record sets from integrated business applications. Topics include Office Automation events, properties, methods, and programming techniques. Satisfies the university general education requirement in the knowledge application integration area. Prerequisite for knowledge application: completion of the general education requirement in the formal reasoning knowledge foundation area. (Cross-listed with CIT 220). Prerequisite: CIT 130 and MAT 122 or equivalent.

CSE 230 Object-Oriented Computing I: Introduction to object-oriented computer programming using a high-level programming language such as Java. Classes, member functions, inheritance, polymorphism and operator overloading. Design methodologies and introduction to software engineering principles and practices. Basic data structures are introduced. (cross-listed with CIT 230). Prerequisite: EGR 141 or CIT 130 or equivalent.

CSE 231 Object-Oriented Computing II: A second course in object-oriented programming with emphasis on data abstraction and object oriented design. The basic data structures in computer science, including stacks, queues, files, lists, trees and graphs, are covered in detail. Concepts of design, analysis and verification are discussed in the context of abstract data types. Examples of applications taken from numeric and symbolic domains are used. Prerequisite: CSE 230 or equivalent.

CSE 247 Introduction to Computer Networks: An introduction to networking methodologies, protocols and implementation. Topics covered include topologies, networking hardware, remote network access, security, Internet servers and protocols; including web and mail server setup, firewalls, VPN and router configuration. Hands-on laboratory using various platforms such as Microsoft and Linux Networking systems also using various tools such as ethereal. Prerequisite: One course in a high level programming language.

CSE 251 Web Programming: An introduction to web technologies. Topics covered include use of modern web development tools, Hypertext Markup Language (HTML), server-side processing, and client-side processing using languages such as JavaScript. Students will use these tools to create interactive and dynamic web sites. (Cross-listed with CIT 251) Satisfies the university general education requirement in the knowledge application integration area. Prerequisite for knowledge application: completion of the general education requirement in the formal reasoning knowledge foundation area. Prerequisite: CIT 120 or CSE 120 or CIT 122 or CIT 130 or CSE 130.

CSE 260 C++: This course gives to the student knowledge about object oriented programming and C++ language. Through this course the student should learn enough of C++ language to be able to design and implement complex programs.

CSE 315 Systems and Signals: This course deals with signals, systems, and transforms, from their theoretical mathematical foundations to practical implementation in circuits and computer algorithms. At the conclusion of ELEC 301, you should have a deep understanding of the mathematics and practical issues of signals in continuous and discrete time, linear time invariant systems, convolution, and Fourier transforms.

CSE 325 Telecommunication: Fundamental concepts and techniques used in transmitting information over wire-line, optical, wireless networks and satellite communication. Concepts in digital modulation and coding theory. Introduction to cables and signals, bandwidth, spectrum, noise, and channel capacity, bit-error rates, spread spectrum communications, modulation and coding, traffic statistics and the theory of space-division and time-division switching networks.

CSE 335 Programming Languages: Fundamental concepts in programming languages. Several high-level languages are studied in depth and their approaches to the fundamental issues in language design are compared. Issues include: data types and structures, control structures, binding times, run-time, storage organization, flexibility vs. efficiency, compiled vs. interpreted languages, strong vs. weak typing, block structure and scope of names. Offered fall. Prerequisite: CSE 231, MAT 256 and major standing.

CSE 337 Software Engineering and Practice: Introduction to software engineering and practice. Topics include software process models, project management, requirements analysis, software quality assurance, and testing. Prerequisite: Major standing in CS.

CSE 343 Theory of Computation: Formal models of computation, including finite state automata, pushdown automata and Turing machines. Regular and context-free languages. The computational models are used to discuss computability issues. Offered winter. Prerequisite: CSE 361 and major standing.

CSE 345 Database Design and Implementation: Introduction to the design and implementation of database systems. Topics include designing a practical database for an application using normal forms, understanding relational database schemas, planning and implementing a database using software such as Oracle and Microsoft SQL Server, advanced database topics in redundancy, replication, load balancing, compatibility, ODBC and JDBC, and database systems administration. (Cross-listed with CIT 345). Prerequisite: Major standing in CS.

CSE 361 Design and Analysis of Algorithms: Computer algorithms, their design and analysis. Strategies for constructing algorithmic solutions, including divide-and-conquer, dynamic programming and greedy algorithms. Development of algorithms for parallel and distributed architectures. Computational complexity as it pertains to time and space is used to evaluate the algorithms. A general overview of complexity classes is given. Offered fall, winter. Prerequisite: CSE 231, MAT 263.

CSE 364 Computer Organization: Assembly language, addressing modes, RISC and CISC architectures, assemblers, loaders, linkers, arithmetic and logic unit, hardware functional units, input/output organization, memory organization, cache memory, virtual memory, control unit, pipelining, parallel computer organization. Prerequisite: EGR 240 and major standing.

CSE 366 Information Systems: The course treats the basic processes of information systems, the design of the main systems by giving the basic notions of their development in concert with the process of management, and the possibilities and challenges facing the software designer. E-business and information systems.

CSE 388 Microprocessors: Basic of design and programming of microprocessor systems. Microprocessor 80x86, programming a microprocessor with assembler language. Examples of programs in assembler language.

CSE 398 Senior Design: A team-oriented senior design course for computer science and computer engineering majors. Teams will conceive, analyze, design, implement and test a computer-based hardware and/or software system, component or process. Results will be demonstrated and documented in oral presentations and written reports. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement. Prerequisite: CSE 378 and either CSE 470 or CSE 331.

CSE 450 Operating Systems: Introduction to the concepts and design of multi-programmed operating systems. Typical topics include: historical perspectives, sequential processes, concurrent processes, processor management, memory management, scheduling, file management, resource protection, a case study. Offered fall, winter. Prerequisite: CSE 361 and major standing.

2. Department of Mathematics (02)

MAT 121 Calculus for Business Majors,: Principal Issues in the class "General Mathematics" for the Economy students. Mathematical language, sets. Numerical sequences and series. Real functions. Limit and continuity. Derivation. Integration. Real matrices, determinants and the inverse matrix. The structure of Vector Spaces. Linear Systems of equations. Linear maps. Linear functions in many variables. Recurrent equations.

MAT 154 Calculus : A comprehensive study of analytic geometry, limits, differentiation and integration of functions of one real variable, including transcendental functions, infinite series, indeterminate forms, polar coordinates, numerical methods and applications. Each is offered fall and winter semester. MAT 154 satisfies the university general education requirement in the formal reasoning knowledge foundation area.

MAT 155 Calculus : MAT 155 satisfies the university general education requirement for the knowledge applications integration area. Prerequisite for knowledge applications: completion of the university general education requirement in the formal reasoning knowledge foundation area. Prerequisite: MAT 154 or placement.

MAT 221 Presentation of the Problem of a Linear Program: General definition of flux in a transportation net. Basic concepts of graphs. Flux in a transportation net. Maximal traffic. How to present a problem. Methods PERT. Relation Time-Cost.

STA 226 Applied Probability and Statistics : Introduction to probability and statistics as applied to the physical, biological and social sciences and to engineering. Applications of special distributions and nonparametric techniques. Regression analysis and analysis of variance. Satisfies the university general education requirement in the formal reasoning knowledge foundation area. Prerequisite or corequisite: MAT 154.

MAT 231 Geometry:

MAT 250 Analysis I : The topology of the real number line and of n -dimensional Euclidean space, continuity and uniform continuity, derivatives, the Riemann integral, sequences and series, uniform convergence. Offered every fall. Prerequisite: MAT 155.

MAT 251 Analysis II : Improper integrals, derivatives and integrals in n -dimensional Euclidean space, implicit and inverse function theorems, differential geometry and vector calculus, and Fourier series. Offered every winter. Prerequisite: MAT 250.

MAT 255 Introduction to Differential Equations : An introduction to the basic methods of solving ordinary differential equations, including the methods of undetermined coefficients, variation of parameters, series, Laplace transforms and numerical methods. Separable, exact and linear equations. Applications. Prerequisite: MAT 155.

MAT 263 Discrete Mathematics : Concepts and methods of discrete mathematics with an emphasis on their application to computer science. Logic and proofs, sets and relations, algorithms, induction and recursion, combinatorics, graphs and trees. Prerequisite: MAT 155.

MAT 265 Teaching of Mathematics: Basic concepts of teaching methods, documentation, didactic plans, programs, mathematic's textbook in C.U. Basic methods of teaching, daily preparation of plans, main facts of adding and other mathematics applications. Mathematic's problems, types, methods of solutions. Methods of how the students will be evaluated.

MAT 275 Linear Algebra: Study of general vector spaces, linear systems of equations, linear transformations and compositions, eigenvalues, eigenvectors, diagonalization, modeling and orthogonality. Provides a transition to formal mathematics. Prerequisite: MAT 154.

Applied Mathematics: Posing of the object of study of Linear Programming, Generic form, flux in transport networks. Principal concepts on Graphs. The Flux on a Transport Network. The Maximal Flux. Critical Path. Posing of the problem. PERT Method. Time-Cost Relations.

MAT 290 Topology:

MAT 433 Numerical Methods : Propagation of errors, approximation and interpolation, numerical integration, methods for the solution of equations, Runge-Kutta and predictor-corrector methods. Prerequisite: MAT 275, MAT 155 and MAT 250

MAT 462 Geometric Structures : A study of topics from Euclidean geometry, projective geometry, non-Euclidean geometry and transformation geometry. Offered every fall.

MAT 472 Number Theory with Cryptography : Structure of the integers, prime factorization, congruences, multiplicative functions, primitive roots and quadratic reciprocity, and selected applications including cryptography. Prerequisite: MAT 155.

MAT 475 Abstract Algebra : Groups, subgroups, cosets, and homomorphisms, rings and ideals, integral domains, and fields and field extensions. Applications. Offered every winter.

3. Department of Mechanical and Naval Engineering (03)

ME211 Engineering Mechanics 2: Engineering mechanics 2 studies principally: kinematics of particle and rigid body, that is, the geometry of motion and its parameters: position, velocity and acceleration, in three coordinate types: rectangular or Cartesian, trajectory and cylindrical; dynamics of particle and rigid body, that is, the behavior of rigid bodies in motion under the action of mechanical charge (forces and/or moments) systems following the Newton second law, energy and/or impulse-momentum methods. A special place is given to satellite motion, as an application of Newton's second law and impulse-momentum methods in cylindrical coordinates, Euler equations, as a basis of general space motion's study, and vibrations, as a specific case of dynamics under the effect of forces changing harmonically with time.

ME212 Strength of Materials: Mechanics of deformable bodies: stress/strain, classification of material behavior, generalized Hooke's law. Engineering applications: axial loads, stress/strain relations in 2D and 3D, torsion, torsion of circular rods and tubes, flexure theory for beams, bending and shear stress in beams, deflection of beams, stress and strain transformation, introduction to fatigue, Diagrams of Smith and Haig, introduction to plate and shell, bending of thin plates, course project.

ME213 Materials Science and Technology: Technology of the pig iron and steel Production methods of the details. Metallurgy of castled metals and castled alloys. Theory of plastic deformation of metals. Practics of plastics working of metals. Technology of the lamination. Production of weldless pipes. Drawing process. Forging and stamping processes. Crystal structure of metals, its parameters and some structure types mostly found in metals. Thermodynamics and kinetics of crystallization of metals. Microscopy. Dilatometry. Diffractometry. Fundamentals of heat treating of metals. Heat treating praatics. Annealing, normalising, quenching and tempering processes. Chemical-thermical treating of metals. Superficial heat treatments. Heat treatment of non ferrous metals.

ME215 Technical Physic: Basic concepts of thermodynamics. Real gas. Pure substance and phases. The first and second low of thermodynamics. Closed and open systems. Basic considerations in the analysis of processes and cycles. Increase the efficiency of the cycles. Refrigerators and heat pumps. Thermodynamics and heat transfer. Heat conduction. Convection. Thermal Radiation. Type of heat exchanger. The overall heat transfer coefficient. Analysis of heat exchangers.

ME216 Fluid's Mechanic: Fluid mechanic studies the principal law of equilibrium and flow motion in general. The Newton laws for particle with a given mass, law of mass conservation (Law of continuity and that of energy conservation) that form the basic of fluid mechanic, so like in mechanic of solid body. The nowadays "Fluid Mechanic" in first is based in the right combination of the basal physical analysis and of a particularity importance to resolve problem that are taken in studies. Fluid Mechanic also studies the theoretic principles of Naval Architecture and hydraulic modeling during planning and construction of industrial works, agriculture, petroleum industry, transport in general and maritime transport in particularity.

ME223 Applied Mechanic in Machines: Definition of machine, kinematics pair, mechanisms, classification equations of equilibrium. The reduction and equivalent systems. Power, efficiency of machines. What's the group? Regime conditions. Grade of period irregularity. Volant dimension. Characteristic of the machine. Regulation and the static grade. Centrifugal regulators and their characteristic equations. Static dynamic unbalancing of an rotor. Force and moment of inertia due to unbalancing. Unbalancing effect. Critic velocity. One degree of freedom system vibration. Undamped free translational and rotational vibrations. Forced vibrations. Steady state, transient state. Forced vibration with viscous damping. Two-degree of freedom systems. Flexural and rotational vibration of a shaft. Shaft with one and more concentrated mass. Critical velocity.

ME224 Engines: Operation cycle of alternative engine. Main parts of engines. Main characteristics of engines. Engine's operation real cycle. The pressure diagram. Parameters and main dimensions of engine. Thermic balance. Engine power. Middle pressure of operation. Work output specific consume. Thermic balance of the engine. Power regulation. Engine's work characteristics. Working rates of engine. Stability and flexibility of engine's work. Motoric power regulation. The balance of engine. Theoretical balance. Real and theoretical balance. The engine construction. Technical requirements and main parameters of engine. Essential characteristics of engine building. Engine corps. Motor vibration on carriage.

ME 250 Introduction to Thermal Engineering: Introduction to the fundamentals of classical thermodynamics and heat transfer; first and second laws of thermodynamics, thermodynamic property relationships, application to engineering systems and processes, steady and transient conduction in solids, introduction to convection heat transfer correlations.

ME 308 Computer-Aided Design: Use of engineering software in design and analysis such as: solid modeling of machine parts, projection views layout, parametric and knowledge-based design, assembly design, sheet metal design, build of materials, structure design, introduction of finite element method, engineering optimization, space analysis and clash detection, mechanism and kinematics of assemblies, project management.

ME 322 Engineering Mechanics: Statics and dynamics of particles and rigid bodies: analysis of trusses, frames, beams, centroid and moments of inertia; kinematics, Newton's Second Law, work and energy, linear and angular impulse and momentum. With laboratory.

ME 331 Introduction to Fluid and Thermal Energy Transport: The fundamentals of fluid mechanics and heat transfer, conservation and momentum

principles viscous and inviscid flow, laminar and turbulent flow, introduction to viscous and thermal boundary layer theory, one-dimensional conduction heat transfer and characteristics and dimensionless correlations of convection heat transfer, applications to engineering problems. Laboratory emphasizes experimental design.

ME 361 Mechanics of Materials: Introduction to the mechanics of deformable bodies: distribution of stress and strain in beams, shafts, columns, pressure vessels and other structural elements, factor of safety, yield and fracture criteria of materials with applications to design. With laboratory including two-dimensional truss and beam design on computer.

ME 372 Properties of Materials: The atomic, molecular and crystalline structure of solids, including a description of x-ray analysis, metallography and other methods of determining structure; correlation of structure with the electric, magnetic and mechanical properties of solids. With laboratory.

ME 398 Senior Project: Work on advanced design and research projects. Topic must be approved prior to registration. If taken as an alternative to ME 492, student must work as part of a team of at least two people. May be taken more than once.

ME 421 Vibrations and Controls: Linear free and forced response of one and multiple degree of freedom systems. Equations of motion of discrete systems. Vibration isolation, rotating imbalance and vibration absorbers. Transfer function and state-space approaches to modeling dynamic systems. Time and frequency domain analysis and design of control systems. Use of MATLAB.

ME 482 Fluid and Thermal Systems Design: Study of systems involving fluid and thermal phenomena such as energy conversion, and fluid and thermal energy transport. Using fundamentals studied in prerequisite courses, component and system analysis, for the purpose of design optimization, are emphasized using integral, differential and lumped-parameter modeling techniques. The course focuses on the design process using design oriented laboratory projects.

ME 486 Mechanical Systems Design: Study of systems involving mechanical elements. Includes stress, strength, deflection, safety, economic and social considerations, optimization criteria and strategies. Analysis and design of fasteners, springs, welds, bearings, power transmitting elements and complex structures subjected to static and/or dynamic loads. Includes major design project.

ME 487 Mechanical Computer-Aided Engineering: Introduction to the use of state-of-the-art finite element technology in mechanical engineering analysis. Fundamentals of computer graphics, solid modeling, finite element modeling and interactive design. Analysis and evaluation of linear static and dynamic mechanical systems. Includes design project(s) in various topics. Use of CATIA in various aspects of manufacturing processes and tolerance analysis, surface design, managing cloud points and reverse engineering, simulation of kinematics of machine tools, 3-axis surface machining, mold tooling design, CMM and measurement data analysis, assembly simulation and structural analysis, rapid-prototyping. Includes design projects in various topics.

NE 210 Ship Hydrostatics and Stability: Main definition. Construction plan of a ship. Elements of hydrostatics and geometry of the masses. Calculation of the right hulls. Geometrical similarity. Drawing and geometric calculations by software. Equilibrium of the flotation bodies. Cylindrical flotation bodies. Geometric Elements of the hulls inclined in longitudinal and heeling way. Stability and its criteria of the unharmed hulls. Equilibrium in case of a ship's stuck in grounding. Static study during ship's launching in water. Stability and its criteria in case a ship's motor boat break or opening.

NE 214 Ship Constructions: Ship Geometry, materials used in shipbuilding, proves of materials, classification; marine insurance, classification societies, uniformity in the design of structure, strength as a basis of class, etc, definitions and structural details, definition of the terms used in shipbuilding, elements of structures, types of vessels, elements of structure, shipyard practice, the maintenance of ships, course project.

NE 223 Ship Theory: Basic geometric concepts. Properties of irregular shapes. Properties of fluids. Archimedes's principle. Equilibrium and stability. Hydrostatic data and calculation. Effect of free surfaces of liquid and freely suspended weights. Curves of statical stability. Stability during docking, in the wind and climatic extremes. Effective power. Types of resistance. Momentum theory applied to the screw propeller. Propeller diagram. Analysis of turning ability. Rudder types and systems. Rudder forces and torques. Ship manoeuvrability.

NE 310 Shipbuilding Construction Technology: Shipbuilding technology. Production process during shipbuilding (markings, cutting, deformation, welding of parts, section, bloc section etc.) Special problems related to shipbuilding materials: brittle fracture, fatigue etc. Corrosion and protection of marine structures. Modern welding methods and their classification. Physics process during welding. Residual welding stresses. Deformations of welded structures. Weld defects and their influence on the behaviors of welded structures. Elements of controls and monitoring of welding.

NE 312 Naval Constructions 1: Rationally-based structural design, preliminary design and detail design, applicability to naval design, applicability to other types of structures, structural analysis of ship hulls and offshore structures, loading and material considerations, hull primary bending and midships section analysis, framing system, secondary and tertiary stress in stiffened plate components, hull girder response analysis - no prismatic beam, introduction to failure theory for buckling; combined stress states; brittle fracture and fatigue, course project.

NE313 Movement Plants on Ship 1: General knowledge about series of propeller: "Froude", "Schaffrau", "Gawn", etc. General knowledge about types of propeller, nominal and effective wake, influence of skaf on work output of propeller. Propeller with gears, cyclic, and throw water. Propeller of ship, computation and influence on machine power. Geometrical general element, profile of propeller blades, surfaces of active face, construction and the general view of propeller. Moment of torsion and bending. Techno of repair of propeller and complete the general necessary documentation. Impulsive theory of function of propeller. experiments with isolated propeller, Construction of curves of propeller function, propeller with fix point, with loading zero and blockaded cavitations, erosion, defends against of cavitations. Propeller with mechanic installations diagram of Pampel.

NE 320 Naval Construction: Rationally-based structural design, structural analysis of ship hulls and offshore structures, loading and material considerations, hull primary bending and midships section analysis, framing system, secondary and tertiary stress in stiffened plate components, hull girder response analysis-no prismatic beam, introduction to failure theory for buckling; combined stress states; brittle fracture and fatigue, Structural modeling and analysis techniques applied to ship and marine structure components, naval registers of classification, stiffened and composite plates, effective width and breadth of stiffened plates, energy methods, introduction to finite element analysis, plastic analysis of beams, considerations on fiberglass materials and boat constructions, launching calculations, aspects of structural optimizations, course project.

NE 321 Naval Contractions 2: Structural modeling and analysis techniques applied to ship and marine structure components, naval registers of classification, shell and plate, stiffened plate panels structures, effective width and breadth of stiffened plates, plate bending, small and large deflection plate theory, Von Carmen plate equation, plastic frame analysis and application to beams and plates, finite element method for beam, frame and plate, application of finite element method for frame, plate and shell problems, considerations on fiberglass materials and boat constructions, launching calculations, aspects of structural optimizations, course project.

NE 323 Ship Energy Systems: Energetic systems of Ship engine aims that the student be familiar with principal energy production system and main engine that are used nowadays. Those can be: combustion motor engine associated with generator of direct or alternative current in dependence of auxiliary navigational ship equipment and gas turbine. In order to assimilate this subject, the student must have good knowledge in Thermotactic and Heat Transfer, steam generators, combustion motor engine, electro technique. The principal topics of the program are: Energetic ship machine. Thermal balance and diesel engines. Systems with diesel engines. Energetic machine with gas turbine. Systems with gas turbine. Constructive characteristic of gas turbine machine. Energetic machine that are used in high speed hydrofoil ships. Electrical launching system. Control and conduct system. Tests of energetic machine.

NE 324 Professional Apprenticeship: Knowledge with structures and competence of port structure, technical ship documents and her staff, structures and units of a repair shipyard. Surveillance of principals sectors of a production shipyard. Surveillance of measurement works, technologic process of preparing detail ship hull. Surveillance of assemblage and welding works. Surveillance of technologic reparation process of ship hull. Launching process.

NE 330 Motion Machines and Plants on Vessels: The flow of the vessel's body on motion, the vessel's body boundary layers, the flow on rough surfaces, wave-formation while going, hydro-dynamic forces and moments, meaning and contents of conjoining masses. Resistance components on motion, friction occurrence and its determination, resistance of protruded parts, air resistance. The vessel's modeling, experimental tanks, the similarity theory, computation of power while tugging. The propeller geometry, its construction and its component parts, its characteristics and its cooperation with the vessel's body, propulsion, the moment and the KPD working regimes, action curves, cavities, propeller design, cavity checking. Ways of transmitting the power to the propeller, axis lines designs, reductions, the support and propulsion gear wheels, the Datewood pipe, the propeller

axis and the intermediate axes. Propellers design.

NE 340 Hydrodynamics of Ships: This program aims that the student be familiar with basic of naval hydrodynamic. Also this program aims to give the student the fundamental element of sea environment and the hydrodynamic effect acting at ship during propulsion and manoeuvring. The principal topics of the programs are: Sea environment. Principles of Ship Resistance. Hydrodynamic principles of propeller action. Principles of steering theory.

NE 350 Marine Auxiliary Equipments and Systems: Valves and pipelines. Pumps and pumping systems. Steering gears. Refrigeration systems. Heating, ventilation and air conditioning. Deck machinery and cargo equipment. Fire protection. Tanker and gas carrier cargo pumps and systems. Bow thrusters, stabilizers and stabilizing systems.

NE 360 Ship Design: Ship Design aims to give the student in the first level diploma in Naval Engineering the classical basis of Naval Project. The program of course gives advice to students of this diploma level on how to design ships. The students in this diploma level must be able to develop a new project only starting by a basis ship or a series of basis ship. Also these students must be able to read completely an existing naval project. The principal topics of the programs are: Ship design methods and data; setting the design requirement. Design equation, Weight based design and volume area and dimensioned based design. Calculating main dimensions and main ratios of the ship. Calculating various weights elements. Designing of lines Ship stability and trim, methods and rules. Powering of Ship by using different methods; Taylor method, Ayre's method; Moor Method; Guldhammer method; Holtrop-Mennen method. Machinery selection and principles of general arrangement.

NE 398 Senior Project: Work on advanced design and research projects.

NE 512 Maritime Law: This subject with students of V grade of Marine Engineering comprises a summary of general principles of International Maritime Law as well as local maritime legislative acts. The program focuses the knowledge of main international conventions such as SOLAS 74/78, MARPOL 73/78, STCW 78/95, relevant IMO resolutions and codes dealing with maritime issues and some knowledge regarding the General and Particular Average. The subject aims to provide the future engineers with some necessary knowledge of maritime legal issues.

NE 514 Ship Design 3: Calculation and construction of stability diagram according to subdivision in two categories method (high and low free board). Calculation and construction of polar diagram stability. Calculation and construction of stability diagram according to Krillov-Darni Method. Calculation and construction of dynamic stability diagram. Calculation of cross curve of stability. Construction of hydrostatics curves. Flooding Calculation with one compartment flood. Flooding Calculating with Group compartment flood (two or three compartment). Calculation of Ship power and choice of main engine that must be installed on board. Calculation and Design of ship propeller. Calculation of propulsion plant in accordance with Societies Classifications Rules (calculation

of intermediate shafts,propeller shaft,Gear,Bearing).Calculation and rudder design.Calculation and construction of weight distribution diagram,forces and bending moment.General information about stability rules in accordance with Societies Classifications. Methodical of piping system calculation.Methodical of electrical plant calculation.

NE 515 Movement Plants on Ship 2: Caractérisation and Classification of ships.

The parts of movements plants. Make safe of movement speed, Choose of type, power, of main motor for a ship in the function of resistance of ship dimension. . Propeller of ship, computation and influence on machine power. Techno. of repair of propeller . Axis line, type, parts, deferent schemes of the movements plants. Computation in solidity loading with torsion and bending moment for critic velocity . Centrum and assembly manner of axis lines. Computation of maximum tensions. Supporting bearing roller and ball, types and computation. The general knowledge of design of assembly of an axis line. Forces machine, types, selected, main parameter, putting on the cooperation of other system on ship, their function. The ship vibration as result of movements plants , their amortization.

NE 516 Ship Safety: General consideration about ship flooding.Constructive provision to preserve the ship impermeability.Burn phenomenon.Materials classification according to burn temperature.Determination of flame motive.Plants and outfit fire-fighter.Provision taken for fire-fighting.Fire fitting with water ,foam,powder,gas.Design normative for design and placement of main and auxiliary engines.Rescue equipment.Variety and her characteristic. Principal international sea conventions and their aspect.Classification and surveillance society.Solos 74-78 convention.Ship safety regulation and international maritime application.Methods of risk analysis and their prevention.IMO Safety Committee.Paris memorandum for port state control procedure.Check of safety ship equipment according SOLAS.Physical control of ship equipment and their certification.Regulations of service in port and navigational condition. N.P.P.A.D - 72 regulations.

NE 522 Professional Apprenticeship 4: Knowledge with structures and competence of port structure,technical ship documents and her staff,structures and units of a repair shipyard. Surveillance of principals sectors of a production shipyard.Surveillance of measurement works,technologic process of preparing detail ship hull. Surveillance of assemblage and welding works.Surveillance of technologic reparation process of ship hull.Launching process.Assemblage of equipment and ship mechanism.Assemblage of propulsion shaft.Repair process of propulsion shaft.Ruder structures and assemblage technique.Ship delivery test.

4. Department of Navigation (04)

N211 Safety of Life in Sea: This subject, having as its own target to increase safety of life and also ship's safety in the sea,attempts to provide future navigators with basic knowledge about type,quantity,request of ship's life-savings according to the standards of SOLAS Convention and their effective use in any case of emergency.Also,this subject treats problems of seek and save operations which take place in sea:causes and prevention of fire emergency in the ship, means and systems of putting out fire according to SOLAS Convention standards and their utilization in case of fire emergency in the ship, basic knowledge about first aid in ship's board.

N212 Meteorology and Oceanography: This subject attempts to provide the students of Navigation branch with basic knowledge about maritime currents and pressures, characteristics of different winds in sea, waves undulation, their strength. It also provides knowledge about oceans, their characteristics, composition of sea's and ocean's bottom making this way possible to navigators to predict weather in order to realize a safe navigation.

N213 Navigation Cartography: It treats: the theory of cartographic projections, the representation of earth sphere in maps, types of maritime maps, their elements and symbols, determination of directions and distances in maritime maps, catalogs of maritime maps and other publications for navigators, work organization in the ship in order to systematize, correct and sort maritime maps, maps of special utilization.

N221 Steering the Ship: This subject has as its own target to give knowledge and basic concepts about the art of steering and attempts to provide future navigators with intuition of giving right and secure solutions to all sudden and different situations in sea. Some of the main problems that are treated here are: principles of steering, factors that influence the steering of the ship, cooperation of the propeller-helm rudder group, staying anchored, navigation in canals of small depth, navigation with bad weather, towing etc. A very important chapter is the one that gives the right interpretation of International Rules for the Prevention of Collisions in Sea in order to avoid their grave consequences.

N222 Ship Theory: This subject attempts to give basic concepts about ship's geometry, stability and dynamic in order to have a good and fast administration of different situations of equilibration, stability and steering in various conditions of navigation.

N223 Radar and Radio-help for Navigation: Students, by the help of this subject, have to assimilate radar scheme, frequencies and borders where the radar applies fictive transmission power, minimal and maximal distance of radar's discovering and equation, factors that influence radar's properly work, radar with 'dopler' effect, radar in impulsive regime and radar for traces following, radar for search, SARTI and radar as means of collision.

N224 Maritime Navigation: It provides students with practical knowledge of and work organization in the ship. The student acquires maritime navigation habits during the service of navigation and the one in port. He/she also becomes familiar with operations of ship's elaboration in port, various maneuvers and staying anchored; he/she becomes familiar with the equipment, means, and ship's aggregates, their practical utilization and services to maintain them.

N225 Technical Expedients of Navigation 1,2: This subject explains the theories base of construction, function and usage of direction apparatus of ship movement, for taking the necessary information about ship place, speed and its circulation.

N227 Defence From the Fire on the Ship: This subject has as an object to give the necessary information for the defence from the fire on the ship, its causes and its preventive mass, fire-putting out expedients and the war organization against the fire on the ship.

N311 Navigation: This subject attempts to treat widely, navigation near the sea coast, equal navigation lines and navigation geometry in visual defines of ship's position, errors and their analysis, analytic and graphic calculation of ship's rout, its planning and application; work with maritime maps etc. It also treats navigation in open sea and ocean, means and systems of radio-navigation, navigation hyperbolic systems, satellite systems, radio-lanterns; heavenly bodies and their utilization to define ship's position in open sea or ocean etc.

N312 Astronavigation: The subject aim is to give the acknowledges and base concepts of orientation and determination of the ship place with astronomic methods far away the view from the coast. In function of this purpose is the examination of the cases that have to do with the value of heaven and spherical coordinates, the true and obvious move of heaven bodies, sun system, the Moon, the stars and stellar system. The star and sun time, the time in different meridians, time measuring apparatus. Sea astronomic almanacs, star globe and star search secstant. The measuring ways of heaven bodies and their correction. The compass correction with astronomic methods. The determine ways with different heaven bodies with two-three or more raise lines of place, also with the successive measurements of sun high. Precision of place determine of the slip with astronomic methods .

N314 The Elaboration Technology of the Ship: This subject treats widely the acknowledges connected with the elaboration technology of the sea transport ships in general and particular those of the general charges, open merchandisers, dangerous merchandisers and the container transport. There are treated knowledge about the kind of ships that are used in sea transport, also the different manuals for the stability maintenance and the ship constancy in navigation.

N316 Environment Defence: This subject aims to give the navigation students acknowledges for the right administration of the seaside generation where the sea transport has its contribute on the sea economy but parallel to this it provacates damage of fauna and flora.

N321 Ship Management: The ship management theory gives acknowledges for the basic principles for the organization and mass planning for the safe conduction of the sea transport ships. There are treated knowledge about the international standards for the administration and contemporary conduction of the ship management companies and the sea environment maintenance from the pollution.

N322 Sea Law: Through this subject the students will get the necessary information about the different sea convention, also with the least news that are today applied through the IMO-s bulletins and different states that are participating in this convention. Also are given knowledge about the actual sea legislation and the least news in this plain.

N324 Sea Radio-Communication: This subject has as an object the students equipment with the knowledge over the radio-communication systems, different indication, seaside indications, seaside stations of communications and with different apparatus that are used on the ship for this intention.

NP214 Ichthyology and Fish Elaboration: Through this subject the navigation students will get the necessary information about the different kind of fishes

that live in our water place with their construction characteristics, the living, the nutrition. The students will also study the main methods that are applied in fishing ships connected with the elaboration and the fresh fish maintenance on the ship.

NP221 Biology and Sea Ecology: Through this subject the navigation students will get the necessary information about the sea environment with the sea fauna and flora, with the protection and maintenance of the sea environment

NP222 Fishing Techniques: Through this subject the navigation students will get the necessary information about the fishing techniques that are today applied in the sea fishing, with the last, round and movable fishing technology. They will also acknowledge the fishing ship, the work conditions with the fishing ship, with the fishing expedients and their construction.

NP322 Fishing Management: Through this subject the navigation students will get the necessary information about the fish management, the fish control, the sea surveillance and monitoring in fishing. Also they will get known with the basic concepts of closed areas management, the maintenance of bio diversity and the water area management in our place.

5. Department of Physics

6. Department of Bio-Chemistry

CHEM 143 General and Inorganic Chemistry: Some Fundamental Concepts, Symbols, Formulas and Equations; Elementary Stoichiometry. Thermochemistry, Structure of the Atom and the Periodic Law, Chemical Bonding, Molecular Structure and Hybridization, Chemical Reactions and the Periodic Table, The gaseous State and the Kinetic-Molecular Theory, Condensed Matter: Liquids and Solids, Solutions; Colloids, Chemical Kinetics. Chemical Equilibrium Acids and Bases, Ionic Equilibria of Weak Electrolytes, The Solubility Products Principle, Chemical Thermodynamics, Electrochemistry and Oxidation-Reduction, The Nonmetals, Part 1: Hydrogen, oxygen, Sulfur and the Halogens, The Nonmetals, Part 2: Carbon, Nitrogen, Phosphorus and the Noble Gases, Nuclear Chemistry, The Semi-Metals, Coordination Compounds, The transition Element and the Post-Transition Metals.

BIO 143 General Botany: Plant cell; structure and function; plastids, vacuole, cell wall, Plant tissues; classification, structure and function, Primary and secondary meristic, Morphologic organization of plants; protophyta, thallophyta, comophyts, Plant reproduction; sexual and asexual reproduction, Flower; structure and function, Inflorescences, Microsporogenesis and macro sporogenesis, Impollination and fecundation, Seeds and fruits.

BIO 145 Histology: Histology and its methods of study; cell and tissue culture epithelial tissue; connective tissue, fibers, types of connective tissue; adipose tissue, cartilage, bone, bone cells and bone matrix, histogenesis, bone growth and remodeling, internal structure of bones, Neurons, the central nervous system degeneration and regeneration of nerve tissue skeletal muscle regeneration of muscle tissue; blood cells; digestive tract, the respiratory system, skin; the urinary system; hypophysis; adrenal; male and female reproductive system, photoreceptor systems.

BIO 250 Zoology: Environmental considerations. Coping with animal diversity; invertebrate classification. Protozoa. Effects of environments, body size, mode of existence. Organelles and general physiology. Protozoans, flagellates, amoeboid. Spore-forming. Sponges and placozoans. Cnidarians and ctenophores. Bilateral animals. Aschelminths. Mollusca. Annelids. Pogonophora.

CHEM 245 Organic Chemistry: Characteristics of organic compounds. Organic chemical bond. Organic orbital. Resonance. Inductive effects of mesomere. Radical reactions. Alkyl radicals; aldehydes; alcohols. Alkyl halogens. Alcohols. Optical isomerism. Ethers; aldehydes and ketones. Carboxylic acids. Aromatic hydrocarbons. Benzene. Reaction SE. Aromatic nitro compounds. Phenols. Aromatic amine. Alicyclic compounds. Carbohydrates. Isoprene. Carotenoids. Heterocyclic pentagonal and hexagonal compounds. Nucleic acids, amino acids, proteins alkaloids. Polymers.

BIO 252 Plant Systematic: Cryptogams: Introduction. Main cytological and morphological characteristics of bacteria; seaweeds, mushrooms; lichens. Bryophytes and pteridophyte: main characteristics classification; principal types; ecology; phylogenetic relations. Phanerogam. Gymnosperms main characteristics; origin; classification; phylogenetic relations; distribution. Angiosperms; main characteristics; origin, classification; principal Albanian families and types, geographical distribution, economic values.

BIO 255 Microbiology: Overview of microbiology. Biology of prokaryotic and eukaryotic cell; DNA organization endospores. Nutrition and metabolism; fermentation, respiration energy conservation. Metabolic diversity of microorganisms. Microbial growth, population growth. Bacterial growth control. Microbial genetics; DNA structure and replication. Microbial ecology, aquatic and terrestrial habitats. Microbial taxonomy, systematic and evolution. Viruses; general characteristics bacteriophages, animal viruses. Concepts of immunology, immunogenic and antigens, cellular immunity.

BIO 260 Physiology: Basic principles of Physiology. Homeostasis and internal organism. Molecules energy and biosynthesis. Membranes canals and membrane transport. Neurons. Chemical sense. Mechano-reception. Glands and hormones. Muscular contraction. Heart muscle, smooth muscle. Blood, heart. Hemodynamics. Osmoregulation in aquatic and terrestrial environments; osmoregulatory organs. Mammal and non-mammal kidneys. Corp dimension. Regulation of corp's temperature.

CHEM 265 Physical Chemistry: Chemical Thermodynamics; Thermochemistry, entropy, thermodynamic potentials. Chemical equilibrium. Phase equilibrium of one and multi component systems. Electrochemistry. Electrolytes, electrical conductivity. Kinetics and Catalysis. Rate of chemical reactions, molecularly and order of reaction. Homogeneous and heterogeneous catalysis. Colloid chemistry. Disperse stability, aerosols, emulsions, foams, half-colloids. Solutions of macromolecular substances.

BIO 312 Genetics: Gene transfer: pedigree analysis. Autonomic inheritance, linked with chromosome X dominant and recessive. Mitochondrial DNA: characteristics and related pathologies. Polygenic and multi factor inheritance. Additive and step models. Mutations of metabolic pathways. Mutations of repetitive three nucleotides. Concept of permutations and pre vision. Sex development and determination. Introduction in cloning and positional cloning. Diversity and evolution of human species. Races. Origin of the man. Genetic tests and genetic confluence.

BIO 320 Fundamental of Ecology (y): Methods of ecological studies. Ecological factors. Climate factors. Ecological role of temperature. Humidity. Light. Secondary ecological factors. Food as ecological factor, quantity and quality of food.

Demographic factors. Biotic factors. Interspecific factors. Ecosystems and biocenosis. Ecological successions. Biomass and productivity. Biosphere organization. Natural equilibrium, nature protection.

BIO 330 Biochemistry: Water and its properties. Aminoacods, proteins enzymes inhibitors. Structure of DNA and RNA. Vitamine and coenzyme. Bioenergetics' principles. Glycolysis. Pentose phosphate pathway. Citric acid cycle. Oxidation of fatty acids. Aminoacids degradation. Photosynthesis. Biosynthesis of macromolecular precursors. Protein biosynthesis and role of RNA. Genetic code. Biochemical aspects of hormonal action. Organism response in stress condition.

BIO 325 Biotechnology: Classic and molecular biotechnology. Organisms used by biotechnology. Technologies used in biotechnology. Fermentations; benefactors; Bioconversions. Enzyme technologies. Biotechnology application. Biotechnology and medicine. Vaccines. Industrial production of growth hormone. Transgenic plant and animal biotechnology. Biotechnology methods in atraction of metals, ions, etc. Industrial microorganisms.

BIO 350 Evolution Theory: History of biology. Lamarck and Darwin. Principles of synthetic theory of evolution. Micro evolution. Factors of evolution. Species. Macroevolution Orugin of the life. Origin of human being.

BIO 340 Human Anatomy: Study of the human body and its systems. Sceleton. Articulations. Muscles, types, function and position. Digestive apparatus. Respiratory apparatus. Urinary apparatus. Feminine genital apparatus. Masculine genital apparatus. System of blood circulate on. Nerve central system. Brain. Autonomus nerve system. Skin. Endocrine system. Glands and hormones.

CHAPTER 7

College of Social Sciences and Education

1. Department of Albanian Language and Literature

ALB 131 Introduction to language: This course includes topics that pass the traditional concepts, to get closer to the modern concepts of the Albanian language. This course elaborates topics of F. de Saussure and N. Combski. It also treats subjects such as: phonetics, grammar, semantic and different classification of language and the connection between language and society.

ALB 132 Old Literature and National Renaissance: The course of speech aims at the recognition and description, in chronological and thematic sense, of two important eras of Albanian Literature, Old Literature and Literature of Albanian National Renaissance. Literature of National Renaissance is phrased as a literature of an era with a complex physiognomy, which developed and consolidated main elements of national existence, with a wide function, and it determined nearly all the derivations of later culture and stylistic developments.

ALB 150 Albanian Language (y): This module aims at providing students with the main knowledge on Syntax: main parts of a sentence, kinds of sentences, clauses and speeches. At the end of this module the student will be able: To distinguish the main parts of speech from the subsidiary ones in different kinds of sentences; to define clearly the boundaries of a sentence; to give arguments upon the different kinds of relationship that clauses build up when they make up sentences; to write kinds of speech correctly.

ALB 151 Medieval Literature: It aims at providing students with knowledge about the characteristics of Middle Ages Literature, the elements of this literature, chivalric literature, German, Spanish, French epos, European Renaissance with representatives such as Dante Alighieri, Boccaccio, Petrarcha, Servantes and Shakespeare, and also classicism era, principles, authors as Pierre Corneille, Jean Racine, Moliere. German Literature of XVIII century had Goethe and Schiller.

ALB 155 Introduction of Literature Science: The subject aims at the recognition of some basic notions about the Literature and its component disciplines, object of the science on literature, theories about artistic literary work, nature and function of literature, problems of comprehension and interpretation of literary text. It is also aimed at the recognition of theories of the literary text building, literary style and stylistic figures: metaphor, metonymy, and irony, and symbol, paradox, figures of poetic intonation and figures of poetic syntax, elements of metrics, versification systems, and structural typologies of literary works.

ALB 165 Lexicology: A linguistic science studies word as lexical unity. The course forms a nearly full knowledge system for Albanian lexicology and lexicography. It studies the relationship between the linguistic form and the its

content in the word or phrase unity, and the dynamics of uninterrupted development of vocabulary. It is studied from the smallest unit (word) to the largest unit (phrases, vocabulary, style and speech, meaningful structure, etc

ALB 231 Phonetics: This course through a concentric-linear system gives scientific knowledge about phonetic structure of Albanian language's speech and sounds. There is analyzed: phonological system of Albanian, the system of vowels and consonants, principles of classification and their articulated and resounding description, contrast of vowels, diphthongs, correlations of consonants and their formats change of Albanian phonemes, accent, syllables, correct pronunciation and orthography etc

ALB 251 Dialectology: It has a general, informative and forming character. This course has a number of concepts and valuations about dialectology, and data of dialects for a full scientific study of language, to extend the consideration out of the borders of Albanian dialectology. This course deals with dialectical division of Albanian language, determine phonetic and grammar features, and the relation of dialects with literary language.

ALB 267 Morphology: This course gives a full knowledge about the parts of speech, regulations of their classification, and their lexicon-grammatical specifications. It is also included different aspects of language that are connected directly to the morphological analyzing and word-forming character, with lexicon-grammatical characteristics of different parts of speech etc

ALB 289 Psychology: This course is designed to introduce students to the science of psychology and recent developments in psychology. In addition to covering the proceeding areas, students will be analyzing their own cognitive processes and emotional development (via journal writing/group discussions).

ALB 290 Western Civilization: This course is an introduction to the ideas, institutions and events which shaped modern Western civilization, focusing on Western Europe and North America but also giving attention to the relationship between the West and the rest of the world.

ALB 310 Text Semiotics: This course aims at intensifying main knowledge of semiotics such as: sign, code, basic model of communication, text analysis in prose, basic concepts of narration, the concept of history, concept of short story and analysis of poetic text. Discursive structures are discussed in this course, such as actors, sayings, aspects, and Prop's, Eco's, Lot man's contribution in semiotics of text.

ALB 321 Foreign Literature of XIX century: This course offers description and analysis in university level of some basic orientation of world literature of XIX century. Recognition with complex literary process, aesthetics and etiquette phenomenon where literature and its main representatives were materialized. The course aims at constructing a clear conceptual system about stylistic charges and their social and ideological context through this period.

ALB 323 Contemporary Albanian Literature: This subject offers full information about literary process during the period of First and Second World War, information linked to developments, to literary directions that characterize this period. The object of this subject is the biography of the well-known authors

of this literature and the features of their literary works, and it gives a clear idea of a deep scientific analysis of literary texts of the relevant authors.

ALB 325 Sociolinguistics: It deals with object, the applied field and the relation with other sciences. The text has definitions and general valuations of social and linguistic community, levels of sociolinguistic analysis etc, with today's relations of dialects with standard literary language, sociolinguistic contraries of semantic changes of the word for non linguistic motives.

ALB 342 Practicum: This course will enable students with information about grammar matters, especially about Morphology and Syntax norm, knowledge about orthographic standard of a language and about the punctuation in a sentence and in a subordinate or coordinate clause.

ALB 355 Theory of Literature: Course of Theory of Literature, from conceptual and methodical point of view, offers a periodical stance about literature's nature, its function, its external study etc. generally, this subject has theoretical stances about the Theory of Literature considered in the concept Study of Literature, introductory studies about the application of determined methods, phenomenological, hermeneutical views etc. In diachronic and synchronic view, the subject tries to put proper and coherent relations, to have a necessary systematic stance.

ALB 361 Contemporary Albanian Literature 3: This subject includes analysis, studies and conclusions in two parts: poetry and prose. The subject proposes historical-literary analysis, valuations, definitions and synthesis about the poetic phenomena, tendencies and individualities of today's Albanian poetry (first part), physiognomy of main authors and representative works, literary tendency and inclination, already verified and accepted by our literary critics and historiography.

ALB 401/411 Didactic of language and literature: This program aims to give the students knowledge according to techniques used in the elementary and pre elementary school to understand the basic concepts of theory of language and literature based on the topics of the course.

2. Department of General Education

3. Department of Elementary Education

EDU 131 Introduction to Psychology: This subject intend to give the students the basic knowledge of the psychology and also the basic concepts which everyone can use in their daily life. Here will be treated theory of development of individual, emotions, motivations, reminds, personal interactions.

EDU 135 Figurative Education and Didactic: The course aims at the gradual training of the art in order to know, create and analyze artistic work, to communicate ideas and to apply them in teaching process.

EDU 220 Teaching Administration: The course intend to give the students the elements of management, characteristics of the manager and the leader and also their attitudes in the leadership.

EDU 231 Teaching Method: The program intend to give to the students theory and practice knowledge of the preschool education based on the age according to the applied model. The students are introduced with all world model of the pre school education, application in practice, environment prepared basing on a model, didactic plans, programs, annual, monthly and daily plans.

EDU 232 Phycology of Development: This course intend to give the students knowledge about the young children, age of pre elementary school, age of school time until the teenager period and also some psychological theory of development of the child.

EDU 233 Phycology of Education: This course will cover knowledge for roles of different subjects that are part in the process of education, teaching methods, and also an explanation in a phycological point of view, how to manage the class and how to communicate.

EDU 234 Musical Education and Didactics: Through this course the students assimilate elements of musical art such as; rhythm, sound, different intervals, value of musical scores, the way to organize a class of musical education in elementary and pre-elementary system.

EDU 252 History of Albanian People: This course aims at providing students of Education with a number of determined information about the history of Albanian people from prehistory until today. This course enables students to evaluate and have a stance about the problems of our antic, medieval, contemporary history.

EDU 325 Physical Education and Didactic: This course offers students movement, attention and practical functional games, etc

EDU 330 Nature Knowledge: The students take some biology, chemistry and physis knowledge. They are qualified to prepare and use the material base to teach in the pre school age.

EDU 331 Theory and Education Philosophy : Intends to give to the students to understand that the man is attracted consciously by the philosophy and that the philosophy explains the world that shows to us. Are given problems of the democracy, fundamental values, and the education of the new teachers in a democratic society.

EDU 333 Technologic Education: The program of the course is to increase the main attitudes and to create practice techniques. Part of the program is learning the students how to give an hour of lesson of this subject.

EDU 334 Civil Education: The student has to understand how to function together the institutions, systems and the Albanian citizens in accord and contrast, in order to carry out the individual communitarian and national needs. The student is to be taught how to understand the necessary manner in the citizen question, which is a long and difficult process. The student has to acknowledge widely the citizen life with all of the complexity of it.

EDU 335 Psychology of Games: In this course the students will have the knowledge about the basic elements of games and the importance of the game

experience for the children, to discuss about the different theories of the games, to identify the stages which the game goes through.

4. Department of Foreign languages

ENG 131 English (y):

ENG 151 Language Skills: The course aim is the preparation of students for level to Proficiency level. Students practice the four skills: listening, speaking, reading, and writing. The reading passages are authentic texts which reflect a variety of registers and styles. The recordings are scripted or semi-scripted. Students practice listening for the main gist, key point, detail and specific.

ENG 152 English Grammar II: The aim of the course is to help students use English Grammar to communicate meaning in various types of discourse and to make their own language production appropriate. The organizing principle of the course is the progression from the important aspects of English morphology and syntax to sentence structure and syntactic analysis.

ENG 170 Art of Writing: This course will present students with the basic rules of writing. Students will be taught basic techniques such as titling, focusing, outlining, paragraphing etc, needed to write short essays.

ENG 171 Academic Writing: Students will receive training in areas such as oral presentations, documentation of collected sources, methods of planning essays, fallacious and argumentative writing etc. Having studied the basic rules in the first year, the second year will concentrate on how to write academic essays.

ENG 193 English Phonology: This course is designed to provide students with the theoretical and practical bases for English phonetics and phonology in particular and to give students a basic knowledge of English sounds. It helps students compare English and Albanian phonemes in order to improve pronunciation.

ENG 255 Introduction to Linguistics: It helps the students access the "charmed circles" of linguistics. Its purpose is to explain how linguistics differs from grammar studies and to outline the main subdivisions of the subject. Language and linguistic typology and Chomsky's ideas of grammar will also be included.

ENG 262 British Culture: This unit explores contemporary British civilization through various important themes of society and identity. A broad range of topics and texts will be covered. Topics include the role of mass media, popular culture, urbanization, social movements, and globalization in shaping British cultural experiences. The texts include literature, academic essays, and political writings as well as cultural artifacts, such as film, music, broadcast media, advertisements, images, and art. The course will present interpretative frameworks for analyzing the social, political, and historical significance of texts.

ENG 264 Studies in the American Culture: This course offers an introduction to study of American culture. We will focus on major themes and ideas in American cultural formations of the 1920s to the present. Using the interdisciplinary methods of American Studies, a broad range of topics and texts will be covered. Topics include the role of mass media, popular culture, urbanization, social movements, and globalization in shaping American cultural experiences. The texts

include literature, academic essays, and political writings as well as cultural artifacts, such as film, music, broadcast media, advertisements, images, and art. The course will present interpretative frameworks for analyzing the social, political, and historical significance of texts.

ENG 265 American History: American history through various important themes of society and identity. It also provides students with an overview of American History. An introduction will be given to key figures and events of American people.

ENG 266 History of English Language: This course aims at displaying the principal epochs of the development of English Language, from its offset to the present days, giving what is common between the past and the present. The developments and the diversity of English Language will be treated throughout this course. It will be discussed on famous debates upon the language and their importance in the development of the present English Language giving a brief panorama of the political and cultural life during this period.

ENG 281 Introduction to Literary Studies: The purpose of the subject is to provide students with information on literature and literary work, exploration of the creative process as a means of understanding the motives of the author, the interpretation of the work, genres, criticism, figures of speech etc.

ENG 341 Semantics: This course investigates the basic principles of semantics, the study of meaning. It explores how language is organized and is expressed through words, parts of words and sentences. It deals with relations of words to other words, and sentences to other sentences.

ENG 356 General Linguistics: The course will deal with the development of linguistics, from ancient Rome and Greece, through medievalism, the Renaissance, to contemporary modern linguistics.

ENG 358 Sociolinguistics : This course aims at combining and discussing a wide range of important concepts, methods and researches in this discipline. Sociolinguistics and its relation with the language nature and function are at the centre of this course. This course aims at identifying and clarifying the image of a sociolinguist and its role; the interrelation between Linguistics and Sociolinguistics. The linguistic system will be treated throughout the relationship between Sociolinguistics with other sciences, the society, the culture and the language.

ENG 364 Literary Stylistics: The purpose of this subject is to inform the students that the stylistics can be viewed as a connection between the linguistics and literary studies. It provides the theoretical and the descriptive studies defining more clearly the scope of stylistics as a dynamic way of mediating between the linguistics and the literary criticism reflecting the rhetorical and the linguistic structure of the literary texts utilized for stylistic purpose.

ENG 375 Public Speaking: The ability to speak confidently and deliver a persuasive message is an essential skill for today's professionals. This course provides the opportunity to significantly improve the student's public speaking skills by practicing and delivering speeches and presentations in a safe environment with personalized feedback.

ENG 377 Interpretation : Introduces students to conference interpretation, focusing on the skills needed for consecutive and simultaneous interpretation. In consecutive, students learn to identify the implicit structural organization of an extemporaneous speech by presenting and interpreting speeches of this type. Reinforces ability to perceive essential meaning and develops note-taking techniques. Emphasizes clarity of expression, correct style and grammar, proper diction, and polished presentation. Students also expand their active vocabulary to include the terms and idioms that frequently occur in extemporaneous speeches. In simultaneous, students are introduced to basic strategies of interpreting in this mode in the booth. Begins with a general introduction and follows up with a series of preparatory exercises helping students develop the concentration necessary for listening and speaking at the same time, mastering voice management, and acquiring smooth delivery techniques. At the end of the course, students are able to interpret passages that are between eight and ten minutes in length.

ENG 381 English Literature: The aim of this course is to provide students with a good knowledge of the origins, the Middle Ages, the Renaissance, modern times and even the method alarming the genetic order of the English literature, corresponding with the broad phase of the moral history of England and its social history as well, in so far as the facts of the society and those of intellectual life offer a natural harmony.

American Literature: It is intended as a general introduction to the main themes and figures of the American literary scene, from colonial times to the present days, as an expression of American character and experience. The characteristics of American writers as opposed to European ones are examined.

ENG 398 Senior Project:

ITAL 131 Italian Language Skills I: This course divided into several modules with a total of 90 hours, each having an aim: to describe a text linguistically (its content, its functions and the text typology); to help students develop a global thinking and utterance while analyzing a text; to look for cultural meanings of the events, the characters and refine writing skills.

ITAL 132 Italian Language Skills II: This course aims at helping students develop global thinking while analyzing a text, distinct parts of several literary works and poetry; and improving their oral and written expressivity.

ITAL 151 Italian Grammar I: This course aims at acquiring the overall aspects of Italian Morphology and specifying its rules in the course of an accurate linguistic communication in several determined situations. Apart from analyzing in details the diverse speech classes it aims at acquiring the basic elements of the course through the most prestigious adaptable Italian texts and with the help of vast practical tasks based on genuine materials.

ITAL 152 Italian Grammar II: This course aims at acquiring the overall aspects of Italian Morphology and specifying its rules in the course of an accurate linguistic communication in several determined situations. Apart from analyzing in details the diverse speech classes it aims at acquiring the basic elements of the course through the most prestigious adaptable Italian texts and with the help of vast practical tasks based on genuine materials.

ITAL 170 Composition : This course aims at refining the art of writing and its grammatical,logical and syntactic principles by using one's imagination and ability so as to make the narration understandable and attractive.

ITAL 171 Academic Writing: This course aims at refining the art of writing and its grammatical,logical and syntactic principles by using one's imagination and ability so as to make the narration understandable and attractive.

ITAL 193 Italian Phonology: This course is expanded throughout the first year.It aims at providing the basic theoretical principles of Italian Phonetics and Phonology and at analyzing the core problems a student faces with arising in the course of pronunciation.

ITAL 231 Italian Language Skills III (y): The course aim is the preparation of the students in the four skills:listening,speaking,reading,and writing. The reading passages are authentic texts which reflect a variety of registers and styles.The recordings are scripted or semi-scripted.Students practice listening for the main gist,key point,detail and specific.

ITAL 232 Italian Language: This course divided into several modules with a total of 90 hours,each having an aim:to describe a text linguistically (its content,its functions and the text typology);to help students develop a global thinking and utterance while analyzing a text;to look for cultural meanings of the events,the characters and refine writing skills.

ITAL 255 Latin: The course is designed to give the beginning student a comprehensive introduction to the grammar and vocabulary of the Latin Language. Latin is a language for which we have a continuous written record from the few stone inscriptions in Latin from the sixth century BC to those smatterings of Latin that are still being composed today.This course is geared towards teaching the student to read the style of Latin current among the most literate members of Roman society of the period of the beginning of the first century BC through the second century AD,the Latin of such Roman authors as Cicero, Caesar,Catullus,Vergil,Horace,Quintilian,Juvenal and Apuleius,to name a few.At the same time,however,the course will provide a solid foundation for study of latinity of all periods and styles,including the Latin of late antiquity, and medieval,ecclesiastical and scientific Latin.

ITAL 262 Italian History: This course aims at:Studying the Italian culture, society and family;studying the history of the Italian media,radio,television and cinema from 1924 up to the present days; studying Italian life,and the most important activities and literary works of the most prominent publishing houses in Italy.

ITAL 263 Italian Culture: This course aims at:Studying the Italian culture, society and family;studying the history of the Italian media,radio,television and cinema from 1924 up to the present days;studying Italian life,and the most important activities and literary works of the most prominent publishing houses in Italy.

ITAL 264 Italian Contemporary Culture: This course aims at:Studying the Italian culture,society and family;studying the history of the Italian media, radio,television and cinema from 1924 up to the present days;studying Italian

life, and the most important activities and literary works of the most prominent publishing houses in Italy.

ITAL 273 Work with Projects: This course will present students with the basic rules of writing. Students will be taught basic techniques such as titling, focusing, outlining, paragraphing etc, needed to write short essays.

ITAL 331 Text Linguistics IV (y): The course discusses the models of text typology and standards of textually, i.e. cohesion, coherence, intentionality, acceptability, informatively, situationally, and intertextuality. The course focuses on written texts and debates related issues like ideology and power in text production, understanding and interpretation, schema theory, background knowledge, strategies for effective communication and manipulation. As the course seeks to reconcile theory to practice, it analyses non-fabricated written texts and highlights the role of corpus linguistics. The course also explores the various contributions text linguistics provides for other fields such as language learning and teaching and translation.

ITAL 341 Semantics: The aim of this course is to introduce some basic approaches to the study of meaning in Linguistics and related fields (primarily Cognitive Science and Psychology). The primary focus will be on word meaning (lexical semantics), although sentential semantics and pragmatics will be introduced. The general theme running through the course is how best to describe meaning in human language.

ITAL 342 Teaching Methods: This course will present students different methods of teaching. The aim of it is to make possible the understanding of all techniques of teaching from the students, how to apply those techniques in order to qualified the students as a new teacher in the future.

ITAL 356 General Linguistics: The aim of this course is to provide students with a general panorama of the development of the science of Linguistics, from the antiquity (Ancient Rome and Greece), the Medieval Era, the Modern Linguistics and to this century Linguistics. The different linguistic schools and the most well-known linguists, who had contributed in the development of linguistics as a proper science will be treated throughout the lecture hours. Apart from the theoretical coverage, several linguistic sessions, tasks and analysis will be done regarding theoretical issues raised throughout the lectures.

ITAL 364 History of Italian Language: This course aims at displaying the principal époques of the development of Italian Language, from its offset - Latin Language - to the present days, giving what is common between the past and the present. The developments and the diversity of Italian Language will be treated throughout this course, trying to give a complete panorama of Italian Language during the '200, '300, and '400 up to the '900. It will be discussed on famous debates upon the language and their importance in the development of the present Italian Language giving a brief panorama of the political and cultural life during this period.

ITAL 365 Theory of Communication: Theory of Communication familiarizes students with the basic speech experience they will encounter through life on the

job, in the community, and in their social life. They study the theory of communication, improve listening skills, analyze audiences, participate in a series of interpersonal and interpersonal oral activities, organize researched material, distinguish the purposes behind each speech type and deliver presentations suitable for those purposes.

ITAL 375 Translation: This course aims at refreshing the basic concepts and techniques of translation from the source to the target language, working on literary texts (poetry and prose), technical and journalistic style texts. Students will be guided through the consciousness of the structural aspects of the source text and the target text with the help of practical translating tasks. There should be discussions at the end of the translating process because they are conceived as a reflection upon certain raised problems while translating from the original. They should give to the students the possibility to motivate their choices and reflect upon the results achieved through the hours of discussion. The motivation of the choices done from the objectives and results of the translating strategies, from the microanalysis to the text perspective and text analysis will constitute the pillars of their faculties in translation.

ITAL 381 Italian Literature (y): This course aims at displaying the main knowledge on the history and anthology of Italian literature; the main aspects dealing with a literary text placed inside a certain period, from Tasso up to the present days through the analysis of important literary works and giving general concepts on these literary texts' development, critical and autonomous interpretation of terza rima on distinct subjects in group discussions.

ITAL 398 Senior Project:

CHAPTER 8

College of Public Health

INF 101 Medical Terminologies: It provides students with general knowledge of terms used in Latin and Greek. It also teaches to them how to write prescriptions.

INF 102 Bases of Genetic Biology: Genetics provides students with knowledge's about general genetics, the influence of radiation on human beings etc.

INF 110 Basic Human Sciences: ETHICS: It covers the behavior of nurses during their duty. Leadership, organizational behavior, knowledge and skills required for management of common professional nursing activities in a health care setting are also covered. **MEDICAL PSYCHOLOGY:** is divided in two parts, general and clinical psychology. The first part covers 'need-to-know' information about basic principles in general psychology. In the second chapter are included the more frequent psychological nursing diagnosis.

INF 120 Preventive Health Sciences: Environmental Health Concerns: It is designed to provide the students with a wide body of knowledge of the principles governing health maintenance and promotion, as well as illness prevention. **PUBLIC HEALTH:** It provides students with knowledge about health organization in the Republic of Albania and the principle concepts of Public health.

INF 130 Normal Human Anatomies: Normal human anatomy studies human body. It is divided in two parts: the first part deals with the bones and muscles and the second part deals with the organs of human body.

INF 140 Preclinical Sciences: HISTOLOGY: It studies the microscopic structure of human body's tissues. **PHYSIOLOGY:** It studies the normal function of the organs of the human body.

INF 150 Clinical Diagnosis: MICROBIOLOGY: deals with microorganisms and diseases caused by them. **BIOCHEMISTRY FOR MEDICINE:** It is a branch of General Biochemistry and it studies the elements that form the human body.

INF 160 General Nursing and Professional Practice: This course is designed to provide the students with various health and nursing concepts. It also provides the students with a wide body of knowledge of the principles governing health maintenance and promotion, as well as illness preventions. It provides the students with the basic concepts to the practice of clinical nursing, nursing process, procedures and their applications in lab and clinical setting.

INF 220 Surgeries and Applied Clinical Nursing: GENERAL SURGERY: This course is designed to give a broad general background in the care of people

who have surgical problems in hospital and ambulance. **SPECIAL SURGERY:** This course includes critical care nursing in hospital and operating room.

INF 230 Obstetrics, Gynecology and Applied Clinical Nursing: The course includes the study of obstetrics and the nursing care for women during the various phases of child-bearing. The course also includes care of the well infant and presents specific measures in the prevention of diseases and the promotion of health.

INF 240 Intensive Care: It aims to teach students special notions about general anesthesia, post surgical intervention care and accident victim's care.

INF 250 Mental Health and Applied Clinical Nursing: **NEUROLOGY:** It aims to provide students with the basic concepts of organic pathology of nervous system. **PSYCHIATRY:** This course emphasizes mental health and psychiatric nursing concepts, constructs and skills in mental health care.

INF 260 Orthopedics and Radiology: **ORTHOPEDICS:** This course teaches students how to help and cure the bones' accidental traumas and born diseases. **RADIOLOGY:** It aims to teach students the traditional examination methods, as well as new ones.

INF 270 Pharmacology and Pathologic Anatomy: **PHARMACOLOGY:** It studies drugs and consists of general pharmacology and special pharmacology. It includes generic and trade names for the common drugs in use. **PATHOLOGIC ANATOMY:** this course is designed to provide and reinforce the students with the pathologic processes in the human body.

INF 280 Dietetics and Infectious Diseases: **DIETETICS:** Its object is nutritional requirements and dietary guidelines today. **INFECTIOUS DISEASES:** Includes the aid given to the community in case of infectious diseases.

INF 320 Internal Diseases for Nurses: It includes nursing care in the main pathologies of cardiac diseases, respiratory tract diseases, allergic diseases, nephrology diseases, hematologic diseases, gastro-hematologic diseases and nursing care for all of them.

INF 330 Pediatrics and Clinical Nursing: Pediatrics of growth and development: Chapters in this matter cover 'need-to-know' information about developmental milestones for each age group. An important place take the health promoting issues about baby caring and the environment influence on child well-being. Pediatrics diseases: Chapters in this matter cover 'need-to-know' information about most important classical and social pediatric diseases, through the nursing care view. Neonatology: It provides to students description of normal delivery, infant's physical and neurologic assessment, and adaptation from intra-uterine to the extra-uterine environment. The neonatal diseases' description is detailed according to etiologies, clinical manifestations, diagnosis and management.

INF 340 Nursing Emergencies, Clinical Practical: Nursing emergencies: It is designed to provide the students with the principles and necessary skills to help victims of accidents, emergencies and disaster situations. Clinical practicum:

It lasts for 4 weeks. It is designed to provide the nursing students with additional clinical hour in a hospital setting for the mastery of nursing skills under setting for the mastery of nursing skills under the guidance of the nursing staff, where the students are assigned.

INF 350 Optional Subjects: Orl: It provides students with basic knowledge about ear-throat-nose diseases. Oculistics: It teaches students how to look after people with eye diseases. Psysiotherapy: It aims to teach students the main principles of physiotherapy. Dermatology: It is designed to provide the students with the main principles of skin diseases. Paliative care: It aims to teach students how to treat people who are in terminal conditions.

CHAPTER 9

College of Economy and Law

1. Department of Business Administration

ACC 113 Accounting For Juridical Faculty: The subject "Accounting for juridical faculty " aims to endow the first-year students of Juridical Faculty of University with the basic knowledge regarding the field of accounting. Students learn how to measure and record accounting data, prepare financial statements and analyze published financial accounting information. A study of financial accounting topics, including accounting valuation and reporting practices. Three major areas examined include financial accounting theory, current and non current assets, and current and non current liabilities. Topics include accounting and reporting for different forms of business, combinations of business, partnerships, consolidated entities.

ACC 211 Financial Accounting: Financial Accounting is an aid to decision-making for external users of financial statements. Students learn how to measure and record accounting data, prepare financial statements and analyze published financial accounting information. A study of financial accounting topics, including accounting valuation and reporting practices. Three major areas examined include financial accounting theory, current and non current assets, and current and noncurrent liabilities. Topics include accounting and reporting for different forms of business, combinations of business, partnerships, consolidated entities.

ACC 212 Basic Accounting Principals Program: The subject "Basic Accounting Principals" aims to endow the second-year students of Economic Faculty of University with the basic knowledge regarding the field of accounting. The program is conceived on the fact that students take such knowledge for the first time in this field and that will be the subject which will serve later as a base for the other accounting branches, such as Financial Accounting, Cost and Management Accounting, etc. For this purpose, the program includes knowledge about the nature and importance of accounting as an information system, the organizing of this system, Financial Statements that are prepared form this system, basic methods of date processing, the recording of economic transaction into Journals Accounting, the construction of basic Financial Statements and as well the basic knowledge of Cost and Management Accounting field.

ACC 312 Cost Accounting and Management: Cost Accounting and Management is concerned with providing information to managers - that is, to those who are inside an organization and who direct and control its operations. Cost Accounting and Management can be contrasted with Financial Accounting, which is concerted with providing information to stockholders, creditors, and others who are outside an organizations. Cost Accounting and Management provides the essential data with which organizations are actually run. Financial Accounting provides the scorecard by which a company's past performance is judged.

Because it is manager oriented, any study of Cost Accounting and managerial must be preceded by some understanding of managerial do, the information managers need, and the general business environment. In Cost Accounting and Management, the term cost is used in many different ways. The reason is that there are many types of costs.

COM 201 Communication: Organization and communication , personal and group communication, leadership as a communication strategy, as semantics and communication in administration, strategies for planning and reviewing, communication and globalization are the main issues included and discussed in this subject.

ECN 170 Economics (Microeconomy+Macroeconomy): First part provides an introduction to key microeconomic concepts. Examines operations of markets, theory of consumer demand, elasticity, organization of the firm, production and cost in the long and short runs, competition, externalizes. Second part examines a broad range of macroeconomic concepts such as determination of national income, fluctuations in the economy, fiscal and monetary policies, money and banking, inflation and unemployment, and international economics, also analyzed and interpretation of aggregate models of economic behavior including the impact of different policies in alternative models.

ECN 272 Managerial Economics: Explores microeconomic theory and its application to managerial decision making. Examines consumer behavior, cost and output estimation, optimization, pricing issues in competitive and noncompetitive markets, decision making under uncertainty and capital budgeting.

FIN 315 Business Economy And Organization : "Business economy and organization", during 60 mixed theoretical and application séances, studies the economic aspects of engineering applications; principal concepts of economics, costs, accounting and management; interest and equivalence calculations; economic analysis of decision-making process between different alternatives; estimation and decision-making on risk and uncertainty conditions; economic analysis of operational management.

ECN 371 Econometric Models: Deals with estimation and testing of economic models using regression techniques. The subject is an advanced estimate of methods based on Statics and advance mathematics. Including in the Business Program is a good choice because is necessary for the professional background for all the economists.

ECN 372 Labor Economics: Labor economics is part of the curricula of Business branch , at Economy and Justice Faculty. Objectives of Labor Economics: To provide the students knowledge about demand and supply for labor, unemployment and wages level. This module is an optional one, and it has the goal to increase professionalist of the students and to increase their competently in labor market. It has a relationship with Microeconomics, Macroeconomics and Human resources , and it provides the students knowledge about investment in human capital, productivity of labor, Philips curve , and the social problems that are caused by them.

FIN 222 Finance: The students in the first part (Basics of Finance) will study the financial system with all its parts, the forms of financing a company, will

take knowledge about all instruments of financial market, the function of financial institutions, the cost of capital, capital budgeting techniques. The second part (Managerial Finance) focused in knowledge of managerial finance like the essential elements of managerial finance capital budgeting techniques, analysis of innovative financial instruments, financial structure and analysis, the cost of capital, working capital management.

FIN 321 Investments: Marketable investment is the topic of this program. Marketable investments such as stocks, bonds, gold etc are some of the assets that will be studied. After we explore individual investments, our attention will return to more complex strategies. Hedging, diversification, arbitrage, and wealth maximization are topics for the latter parts of the program. The value time, the portfolio analysis and the risk management always associate all these themes will be.

FIN 322 Financial Institutions and Capital Markets: Focus is on the structure and operations of financial intermediaries, analysis of innovative financial instruments, and credit and interest-rate risk management. The following plans belongs to the before lesson plans

FIN 323 The Money and Bank: "The Money and Bank" Course is a summary of lectures on money, banks and financial markets. This research is very important and useful, because the handled issues influence directly on our daily life and on the decisions we take. On the other side, it gives us the possibility to understand clearly the economical phenomena discussed in the media which are new in the transition phase we are going through. The study's objective is to answer some questions such as: "What are the connections between real and financial sectors, "What is the influence of the financial sector on the real one?", "What are the politics that could be used on the real sector's influence through the financial one, so, how could a product get influenced through manipulating the money offer.

HRM 242 Introduction to the Management of Human Resources: Examination of applied issues relevant to the management of human resources including recruitment, selection, performance appraisal, introduction to applied research, international human resources management and organizational development. Projects applying course concepts are required.

MGT 141 Management Business: The matter "Business Management" proceed in the first year in Business Branch and its aim is to handle the opportunities and the challenge which are in front of managing now a days. The most opportunities to increase the efficiency in long-term are in the job and first of all, in the quality of the management. Is the manager the person that exactly attends and define if the organization is operating according to prediction and if they harness with rationality or maltreat dowry and available resources.

MSI 201 Management Information Systems: Introduction to the use of information technology in business problem solving and business modeling. Includes hands-on exercises using Windows Microsoft Office (Word, Excel, Power Point, and Access), Web browsers and HTML. This course introduces MIS concepts including systems types (transactions processing, decision support, etc.) hardware, software, networks, data management, and decision support.

MGT 335 Management Strategies and Policies: Covers the concepts, methodologies and analytical tools used by managers to formulate and implement a firm's strategy. This course also explores the complexities of a firm's internal and external environment and applies knowledge from economics, accounting, finance, POM, marketing, HRM and organizational behavior to understand appropriate competitive behavior and resultant firm performance.

MGT 402 Managerial Decision Making: Managerial Decision Making is part of curricula of Business Branch at Economy and Justice Faculty Objectives of discipline of Managerial Decision making, the discipline will offer knowledge to the students about decision making process, the discipline creates possibilities to the students, to evaluate different alternatives and to make efficient decisions, the discipline offers to the students knowledge about theories and methods of decision making, the discipline will help our students, future managers to be efficient in using of both quantitative and qualitative methods of decision making.

LEG 152 Laws: Survey of topics in private commercial law under the Uniform Commercial Code. Contracts, agency, property and insurance, secured transactions and commercial paper. Legal responsibilities of the licensed professions.

ORG 230 Introduction to Organizational Behavior: Examination of the theoretical and empirical issues that affect the management of individual, group and organizational processes including structure, motivation and leadership.

ORG 331 Leadership and Group Performance: Comprehensive examination of selected theories of leadership. Emphasis on relevant empirical evidence and application of the theories to case studies that involve leadership behavior and group functioning.

ORG 332 Labor/Management Relations: Analysis of management/employee relations in the private and public sector. Topics include factors social partners, evolution and governance of unions, collective bargaining and public policy.

ORG 336 Global Perspective: International Business proceed in IV year of business branch in system full-time and treat opportunity and challenge of international manager. Today the opportunity and challenge of international manage are big and diversified Importance of the matter mount in dynamics ambience where economic change, political, juristic and social in resents year are numerous. Change in economy, political and social area, influence the international business.

POM 343 Operations Management: Study of operations of manufacturing and service organizations. Introduction to operational design and control issues such as forecasting, capacity planning, facility location and layout, production control, material requirements planning, scheduling and quality assurance. Includes international, legal and ethical aspects, as well as computer exercises.

FIN 275 Economy Of Sea Transport: The role of transport in Economy. Transport's market, competition between different types of transport and the methods of rates determination. The characteristics of today's sea transports and the planning of utilization of sea transports means transport. Analysis of economical activity of fleet. Main indicators of effectiveness, transport projection and the

contracts of sea transport.

2. Department of Tourism

HT 214 Transport economics: In this subject the students will focus on the concepts of demand and supply management of tourist transport, the role of government and public policy in creating facilities for improving the fundamental element of tourist product.

HT 215 Transport Economics: In this subject the students will focus on the concepts of demand and supply management of tourist transport, the role of government and public policy in creating facilities for improving the fundamental element of tourist product.

HT 221 Tourism Introduction: This subject aim to give a general information on touristic phenomena. The object of this subject is to give knowledge on tourism, its definitions and kinds, understanding of tourism as a system, factors of tourism development, its functions, economic and non -economic aspect of tourism, and aspects of future and sustainable development.

HT 223 Heritage and cultural tourism: In this subject the students will focus on the earliest people civilization and the contemporary development of their culture. Students have a special interest in this subject because of the fact that actual tourism development specially in the Mediterranean area, Europe and other countries is based on the cultural, archeological, historical, ethnographic and institutional patrimony which is present in tourist developments

HT 235 Gjeografi Turistike: Nisur nga fakti per rendesin qe ka kudo ne bote turizmi si nje nga aktivitetet me te rendesishme te ekonomise boterore dhe me efekte te shumanshme ekonomike,sociale,mjedisore etj.Rendesin po merre edhe studimi gjeografik i turizmit,e pasqyruar edhe ne aspektin e brendise.Kjo per faktin se gjeografia eshte shkenca qe studion ne lidhje dhe bashkveprim gjith problemet qe kane te bejne me zhvillimin e turizmit,duke vendosur sidomos theksin ne analizen e transformimeve mjedisore,ekonomike,kulturore e sociale qe pesojne apsirat gjeografike si rezultat i zhvillimit te turizmit ne to.

HT 243 Tourism Economics: All progressive countries throughout the world are interested in tourism. Political and industrial leaders almost universally have recognized the economic advantages of tourism. While the economic benefits of tourism have long been recognized the developing country are seeking to transform the tourism in the main priority sector of their economies. This subject explores major concepts in tourism, what makes tourism possible and how tourism can become an important factor in the wealth of any nation. Some of the topics included are introductory, study approaches, the importance of tourism, components of tourism. A detailed study of microeconomic with main topics refereed tourism demand and supplied, tourism market, the tourist' consummator behave, the input-output analyze and production's concept in tourism. A very important role has the study of macroeconomics' concepts. The impact of tourism in nations' economy, inflation, employment, the international tourism and the main reasons for tourism exchange, incoming and outgoing.

HT 290 Hospitality Tourism Enterprisers: This subject offers a wide vision over the activities of those enterprisers operating on the tourism industry, mainly concentrating on the activities of hospitality and accommodation enterprisers as well as restaurants. The diversity and classification of these activities, their main operative sectors and the job task for each of them will prepare the future managers of tourism with the basic knowledge regarding functioning of this sector.

MIS 301 Management Information Systems In Tourism: Management information systems is a subject which deals with two important fields in the global economy and organizations life, information systems and information technology with their core elements: hardware, software, telecommunications, databases ect and management. The specialty in this field of study is the broad application aspect, which is impacting people's life not only in developed countries, but also in developing ones. Here IT and IS development are being considered also as important means for their development. SI in tourism has also its peculiarities, in the application aspect. In two brunches of tourism industry, hospitality and travel industry the classes will focus not only on the general overview of information systems and their types, but also different applications used in these two fields. Knowledge of special software which are based fundamentally in database management systems and networks will enrich this curricula.

HT 311 Airlines: Airlines are a subject concerned with providing information to the students about airlines as members of International Air Transport Association (IATA). It aims to give information to the students about IATA-s rules, coding used all around the world for airlines, cities and countries, different types of journey, fare basis for itineraries, as long as information regarding compilation of the tickets in airlines. This is a useful subject to all those students who wish to work in an Airline Company and/or Travel Agency

HT 312 Reservations In Tourism Enterprises: Reservations in Tourism Enterprises is a subject concerned with providing information to the students about reservation process in hotels, airlines, travel agencies etc. It aims to give information to the students about reservation procedures, different types of reservations, reservations reports which are very important to the management, main online reservation systems and the jargon used in this field.

HT 321 Tourist Consumer Behavior: The purpose of this subject is to provide the students with a usable, managerial understanding of tourist consumer behavior. It offers a possibility to better understand what happens in business world, why someone is successful and someone else not. This subject analyzes the individual or external factors which influence tourist behavior. It serves as a first step in the sound politics developing and decision making too. It is concentrated in the "Why" and "How" tourists makes decision and behaves in special ways, what motivates them, what take their attention, what makes them loyal buyer in specific products, services and brands. Tourist Consumer Behavior is described as the developing process for products/services and strategies based in what this consumer want.

HT 351 Management Of Tourism Enterprisers: Tourism is a phenomena characterized by a huge dynamism that has permitted a really growth of this sector in the last years. So, tourism enterprisers are always influenced by the factors that are in continuing change, making more complex their activity and especially the management process. In this subject we give a lot of arguments that

are related with the functioning and management of tourism enterprisers.

HT 352 Environment Economy: This course is designed to provide students with theoretical and practical bases of knowledge how to use environment in which human populations can continue to exist indefinitely with a high standard of living and health . This subject is tough to the students who have got enough knowledge of economics and tourism, so that to help them improve the stock and services of natural sources for tourism.

HT 353 Tourist Consumer Behavior: The purpose of this subject is to provide the students with a usable, managerial understanding of tourist consumer behavior. It offers a possibility to better understand what happens in business world, why someone is successful and someone else not. This subject analyzes the individual or external factors which influence tourist behavior. It serves as a first step in the sound politics developing and decision making too. It is concentrated in the "Why" and "How" tourists makes decision and behaves in special ways, what motivates them, what take their attention, what makes them loyal buyer in specific products, services and brands. Tourist Consumer Behavior is described as the developing process for products/services and strategies based in what this consumer want.

HT 354 Destination And Travel Management: The main purpose of this subject is to provide the students with several models of tourism destinations management, with an explanation of the most common resources and tools in order to promote or to regenerate tourism in different destinations. The course will also provide students with the main regulatory framework under which tourism development strategies and management are designed and implemented. As a complement, this subject aims to provide the future tourism managers with knowledge about the most important travel suppliers of tourism industry, especially travel agencies and tour operators. This subject approaches travel enterprisers operations from the management perspective and deals with the complex issues facing managers, meeting the needs for increased professionalism throughout the industry. This subject offers a basic understanding of the various components that must be considered in the travel distribution system.

HT 364 Tourism Strategy: Tourism is one of the most important world social and economic activities in now days. Politics are still a fundamental component often ignored for tourism development and tourism studies. As tourism is still a new activity for many tourist destinations, there will be a lot of examples showing that an unplanned and uncontrolled growth of tourism will bring negative results totally not sustainable, accompanied not rarely with great damages of the environment and social and cultural values of the society. The aim of this subject is to make a total analyze of the overall process of decision making in national and regional level.

HT 398 Final Project: The final project will be realized on the basis of a stage period that the students of Tourism branch will make in different tourist enterprisers. On the basis of contracts stipulated with these enterprisers the students will have the possibility to experience in different departments of them and the tourism offices in the Municipality of Vlora, Vlora region, etc, and their thesis will focus in their real work in the tourism sector.

HT 401 Promotion In Tourism: Modern marketing calls for more than developing a good product, pricing it attractively and making it available to target customers. Companies must also communicate continuously with their present

and potential customers. Every company is inevitably cast into the role of communicator and promoter. For any company the question is not whether to communicate, but how much to spend and in what ways. The aim of this subject is to expand the knowledge and explain student each promotional tool - advertising, personal selling, sales promotion and public relations; the factors in setting the promotion mix; steps in developing effective communications; the ways of setting a total promotional budget, etc.

HT 421 Event And Conference Management: The course presents a comprehensive exploration of the principles that apply to the rapidly expanding field of Conference and Event Management. It familiarizes students with the main actors on both the demand and supply side of this exciting field of the hospitality industry and discusses the role of PCO's (Professional Congress Organizers) in bringing the two sides of the market together and in supporting their activities. It utilizes the expertise and knowledge of many active industry experts and covers topics ranging from the planning, organizing, directing and controlling , International Associations and their role and current international issues in Event and Conference Management.

HT 422 Leisure Management: The course is going to present a complete information on issues connected with the important elements on the business and social affective world of individuals. This will be considered as a facility for the students having more arguments to explain according to nowadays modern socio- psychological tendencies and orientations, the new update phenomena and events in tourism. Course topics and discussions will include issues that affects the sociology part of the tourism and the most important psychological aspects on tourism experiencing and tendencies. We will explore issues like : what is sociology, psychology and how they are connected on tourism industry, the history of tourism development, human psychology, conformism, human conviction and business activities, tradition and urbanization, social capital and effects on culture and tourism development, culture and mass society, the free time concept and history, the social criteria of tourism evaluation, the character of tourism, familiar tourism, the psychology of the tourist in the decision making process to choose the movement's destination, the relationships between residents of an touristy region and the tourists, the psychological perception of tourists, the attractive and encouraging factors in tourism, the social and psychological dimensions of the tourists' behavior, the social dynamic of tourism.

MKT 231 Principles Of Marketing: Subject Principles of marketing analysis principles of marketing, marketing concepts, trends, and their relationship to other business principles. Special emphasis is placed on the study of marketing mix. Case study from hospitality industry are used to analyze these problems.

MKT 331 Marketing Management For Hospitality: Is a subject that is included at the second year of Tourism brand, in the second semester. This subject aims to give a general information about management of the marketing activities fulfillment, specially for the Hospitality industry through case studies, to satisfy consumers, to reach objectives, and to be more competitive in the market. Marketing management activities starts with the marketing environment study using models of marketing information systems. All these data gathered from environment are used to study the types of consumers, identifying competitors in order to formulate strategies for segmentation, differentiation, positioning, to control and evaluate the results in order to take actions for improvement.

MKT 410 Marketing Research: Marketing research classes are taken by the fourth year students of business administration brunch and provide them with basic knowledge of market study. This is one of marketing fields that most helps the decision making process through gathering, manipulating and analysing data, as well as using key information for the right operational and strategic decisions of the marketing manager. The importance of information in the recent days is strategic, so marketing research provides input for the strategy and for all the levels of management in the company. The literature is divided into different parts. The introduction gives the core concepts of marketing research, the importance and the concept of marketing projects and their types, while the rest of the themes deal with all the continuum of the marketing research process such as designing the data collection methods and forms, sample methods, gathering and analysing data, and research report.

MKT 411 Marketing of Services: This subject provide an introduction on Marketing of services and deal with managerial aspects more than tactics aspects. It also deals with those elements and strategic issues that are considered as more important for marketing of services.

MKT 412 Business To Business Marketing: The study of interaction of businesses with one another in the buying and selling of goods that facilitate the production process or are used as components in the goods manufactured by the buying firm. Focus in on how business marketing decisions are or should be made in selling in business environment.

Etike Dhe Komunikim: Objekt analize ne kete disipline do te jete perseri organizata me qellimin e krijimit te nje vizioni te ri per te dhe interpretimit te proceseve qe ndodhin dhe formojne ate nen driten e parimeve te procesit baze te shoqerise njerezore, ate te komunikimit. Nisja e kesaj analize nga niveli baze i saj, pra duke e pare komunikimin si nje proces human, do te ndihmoje ne hedhjen e themeleve te qendrushme per gjithe hulumtimet dhe abstragimet e mepasshme te cilat synojne pajisjen e menaxherit me njohuri te domosdoshme, aftesimin e tij ne perdorimin e ketyre njohurive duke i dhene gjithe sistemit fleksibilitet, qendrushmeri ne vlera dhe aftesi pershtatese me te medha. Lenda permban njohuri dhe aftesi te pazevendesueshme te formimit manaxherial duke synuar orientimin operativ dhe zhdervjelltesine ne aplikimin e njohurive te marra ne kursin e plote te studimit te kryer gjate kater viteve prej studenteve.

MKT 418 Distribution Channel And Sales Force Management: Always and more the producers do not sell their goods directly to the final users. Between them and the final users stands a host of marketing intermediaries performing a variety of functions and bearing a variety of names. So we are familiar with the terms like: wholesalers, retailers, dealer, jobber, manufacturers' representatives, sales agents. Every producer seeks to link together the set of these marketing intermediaries that best fulfill the firm's objectives. This set of marketing intermediaries is called the marketing channel. The main marketing objectives, based on an logistic administration it's the guaranty of reaching the efficiency and effectively of marketing channel. The middlemen is not a hired link in a chain forged by a manufacturer, but rather than an independent market, the focus of a large group of customers for whom he buys. As he grows and build a following, he may find his prestige in his market is greater than that of the supplier whose goods he sells.

MKT 419 International Marketing Management: This course aims toward the fulfillment of the needs of the Business Department students with knowledge on different issues in the field of International Marketing. It stresses the importance that International Marketing strategy has for the success of the companies in the international market. This course gives to the students, information on International Environment, in order to enable their orientation throughout all its aspects. Economic, political, lawful, cultural, social, technological etc, proportions are integrated, and together they play an important role in the macroeconomic aspect, for the companies and the managers that operate in the international market. In addition to this, other elements of a company operating in the international market, and elements of its strategy, are also subjects of this course.

MKT 421 Consumer behavior: The purpose of this subject is to provide the students with a usable, managerial understanding of consumer behavior. Consumer Behavior offers a possibility to better understand what happens in business world, why someone is successful and someone else not. This subject is a buyer analyzes in order to make in evidence its behavior and the individual or external factors which influence this behavior. It serves as a first step in the sound politics developing and decision making too. Its economic orientation is based in marketing studies. The subject gives the most advanced model to understand consumer decision making, which is very important for business success in the market economy. It is concentrated in the "Why" and "How" consumer makes decision and behaves in special ways, what motivates them, what take their attention, what makes them loyal buyer in specific products, services and brands. Consumer Behavior is described as the developing process for products/services and strategies based in what consumer want.

3. Department of Law

DRE 110 Roman Law: In the beginning, the study is focused on "The Roman Law", on the aim of the study, on the systems of the study. The study continuous with the background of the development of the Roman Law. Then studies the juristic norms, some rights such as, the Family Law, The Real law, the Law of Taxes etc.

DRE 120 The History Of The Institutions: The object of the study of the subject is the institutions and the methodological directions of their study, the characteristics of the institutions, the study of the institutions in ancient Greece and Roma. The study of the modern, contemporary institutions and the importance of these institutions.

DRE 130 The Civil Law: It is one of the most important disciplines for the basic professional formation of a new jurist. There are treated principles, institutions, civil relationships, object, its subjects and content.

DRE 140 Constitutional Law: The object of this study lies not in the study of the political institutions and of the normative system but also in the study of the basic rights and liberties and their protection. This study is mainly made in the dimension of the internal constitutional law but it is even perceived in the comparative and international plan.

DRE 150 Public Law: The public law studies the laws of the birth and development of the state and of the right, the social laws that define the specific characteristics and features of the state and right and the relation of mutual relation. It explicates the basic concepts of the other sciences of the state and of the right which are explained further in the other juristic subjects of the Law Faculty program.

DRE 210 Criminal Law, the general part: The criminal law is one of the basic disciplines and most interesting based on the criminal code, in the mainstream of the other juristic disciplines. Its characteristic is (Of the general part) the explanation of the criminal act, its necessary elements, the social relations that are violated, the understanding of fault and the importance of the criminal punishment, the way of its defining, heavy and mitigating circumstances etc.

DRE 220 Family Law: The family law bases its study on the Family Code, on the law "For some changes in the Family Code" and in the law "For the adaptation of the minors by foreign citizens and for some changes in the Family Code". It studies such as: the family, marriage, invalidity of marriage, the relationship parent-child, marriage resolution etc.

DRE 229 The Comparative Public Law: Its object is to study how and why some legal systems are different or similar. It aims at giving advice on the legal policy. This subject intends to show how a specific problem in specific economic and social circumstances is solved.

DRE 230 Labor Law: It aims at equipping the students with scientific, contemporary juridical knowledge and with the relevant experience of the country and of the other democratic countries in the field of labor relationships.

DRE 240 The Subject Of Administrative Law: It is conducted on the second year in the law branch as compulsory. Its object is the study of the material and procedural norms of the administrative law, of the organization and function of the organs of the public administration and of the control that is exercised on this administration during the practice of the administrative functions.

DRE 265 The Agrarian Law: it studies the agrarian-juridical relations, the birth and the development of the propriety in Albania, the juridical regime of the agricultural land and of the terrain etc.

DRE 270 The Criminal Law, The Prerogative Part: The criminal law, the prerogative part treats the special part according to the new Criminal Code giving high importance to the treatment of the criminal acts against the life of the human being, crimes against humanity, criminal acts against the propriety, criminal acts against the children, marriage and family, organized crime etc, all these are acts that are treated in detail giving to the student the opportunity to evaluate each case if they are before the commitment of a criminal act.

DRE 275 The Law Of The Social Insurance: It aims at treating the main principles on the social insurance, the concept of the benefits through the kinds of the pensions and other benefits that result from the contract of the social and health insurance.

DRE 277 Legislative technique: The Legislative technique as a special discipline studies the legal instruments for a better communication. It aims at giving to the student clear notions on the clarification of the content of the legal norms and the main devices for the improvement of the essential content.

DRE 277 Techniques of legislation : This subject deals with law instruments for a better communication. The aim of the course is to give clear notions to the students for the contents of the legal norms and the basic techniques to get this contents better.

DRE 278 The Comparative Public Law: The subject through comparison presents the constitutional law in the big European democracies, its features in the Eastern countries of Europe and in the Balkans, analysis the main principles of governing, the normative acts and the constitutional control of the normative acts in these countries, the way of local governing.

Dre 280 The Financial Law: The financial law is a further completion of knowledge for the student as far as the civil law is concerned and its application in the daily life, especially in the rapports created between the state and the other subjects of justice as far as the taxes the latter have to pay.

DRE 281 The Human Rights: This subject studies in detail and in a comparative way the human liberties and rights. It studies the development of the background of human rights; it studies them in the national and international aspect and even the main international acts.

DRE 282 Logic: The subject of logic is a subject of the general formation and necessary for the formation of a student of law. The logic is the science that studies the way and building of legislation towards the thoughts. In this way, unclearness is avoided. It helps the right understanding of the legal norms and the shapes that the thought takes, how it is created, concepts, judgment and justification.

DRE 285 The Environmental Law: It studies the legal frame in the Albanian Republic in the field of the protection of the Environment, and the institutional system for the protection of the environment.

DRE 310 Criminal Procedure: This subject explains theoretically and practically the legislation of the criminal procedure, institutes and provisions that regulate the criminal proceeding in all its phases. It analysis scientifically the criminal procedural systems, the historical development of the procedural legislation in Albania and the democratic principles on which the criminal proceeding is based.

DRE 320 The Civil Procedural Law: The civil procedural law is important for the theoretic and practical formation of the student. With the completion of this course the students will have completed knowledge related to the civil procedural legislation such as the protection of the legal rights of the physic and juristic persons. They will also be acquainted with the phase through which a civil judicial process passes the understanding of the juridical, procedural civil relationship, its subjects, object and content. The student will be equipped with knowledge of the procedural law that start with the legitimism for a proceeding, which are the means of claims and the last phase that is the execution

of a judicial decision.

DRE 330 The Law Of Taxes: The law of taxes and contracts is the completion of the basic knowledge of a high specialist in the field of the civil law, in particular of the prerogative part of this field, which has to do with the contracting relations among the subjects of right, enrichment without cause and the relation of damage cause. This subject affects the professional formation of the student and his/her future profile.

DRE 340 The Public International Law: The public international law is the discipline that enables the student to have general and specific knowledge in the international relations among the states, international organisms, regional and universal and citizens giving high importance to the progressive development of these relations, their importance in the life of the state and their citizens. This discipline also treats the solution of international conflicts and the diplomatic relations among the states.

DRE 350 Criminology: The knowledge that will be gained in criminology will serve the student of law in the field of research, findings, and examinations of the material evidence left by the perpetrators of different criminal acts. For this reason, this subject treats the technical and tactical means, the methodic criminological recommendations in accordance with the criminal legislation, the criminal procedural one and other legal and sub-legal acts in implementation of the law.

DRE 360 The Legal And Notary Profession: It is one of the disciplines that enable the students to be acquainted with the free professions and the principle of their functioning.

DRE 361 The Law Of Trade And Bankruptcy: It is for the students to have complete knowledge for the activity of the traders (physical and juridical persons). This subject treats the way of creation and functioning of the commercial societies, the kinds of these societies. Starting with the stages of the foundation of the commercial societies, their administration, destruction and liquidation.

DRE 365 Criminology Penology: It studies the criminological conception and its way of development through the explanations for criminality referring to the different theories. The position of the victim in the system of penal justice, its rights and the assistance that is being offered.

DRE 370 European law: The European law is the juridical study of the cooperation implemented in a special institutional form, in the beginning among the 6 countries of Western Europe and then spread to the other countries. The analysis of the actual European institutions is characterized by the importance they have and by the wide competencies that these institutions exercise within the European countries.

DRE 381 The Comparative Criminal Law: It aims at acknowledging the advanced standards of the criminal-procedural law that is realized through the comparison of the institutes and of the main institutions of the contemporary criminal law of some European countries.

DRE 388 Legal Psychiatry: It studies the main problems related to the legal psychiatric expertise during a process, legal responsibility and irresponsibility. Similarly, it treats the emotional, bodily, organic disorders, personality disorders, mental delay etc.

DRE 398 Senior Project: