E-JUST
الجامعة المصرية اليابانية للعلوم والتكنولوجيا
エジプト日本科学 技術大学

Student Academic Handbook (FOE)

Academic Year
2023/2024
www.ejust.edu.eg

Academic Calendar 2023-2024

Table 1 Academic Calendar

EJUST 2023-2024 Year Calendar		
Academic Event	**Date**	
Fall 2023		
Tables Announcements & Course Registration Start	Sunday	24/09/2023
Lectures' Start **Course Registration End** **Add and Drop Start**	Sunday	1/10/2023
Armed Force Day	Friday	06/10/2023
Add and Drop End	Thursday	12/10/2023
Midterm Exams	Saturday-Thursday	18/11-23/11/2023
Course Withdrawal End	Thursday	30/11/2023
Coptic Christmas Day	Sunday	07/1/2024
Revolution Day 25 January	Thursday	25/01/2024
Final Term Exams	Saturday-Thursday	13/01-25/01/2024
Term Break	Sunday-Thursday	27/01/2024 to 08/02/2024
Spring 2024		
Course Registration start	Sunday	04/02/2024
Lectures' Start **Course Registration End** **Add and Drop Start**	Sunday	11/02/2024
Add and Drop End	Sunday	25/02/2024
Eid Al-Fitr – Sinai Liberation Day	Wednesday-Friday	10-12/04/2024
Sina Liberation Day	Thursday	25/04/2024
Easter Holiday	Sunday-Monday	05-06/05/2024
Labor Day	Wednesday	01/05/2024
Midterm Exams	Saturday-Thursday	30/3 - 04/04/2024
Course Withdrawal End	Thursday	11/04/2024
Final Term Exams	Saturday	25/05-06/06/2024

1. Study at E-JUST

E-JUST Mission

- To become a role model for graduate education and research institutions in Egypt by fostering the Japanese educational standards, policies, and systems. In this regard, EJUST will foster links of collaboration between the Egyptian and Japanese academic institutions.
- To award academic degrees to EJUST's special graduates a high status of international recognition and accreditation certificates from local and international accrediting bodies.
- To contribute in the enhancement and improvement of human resources in the region, by providing high level educational system and to offer pragmatic and innovative solutions for human needs.
- To promote and support the establishment of a strong business, technical and commercial ties between Japanese industries and organizations, and their counterparts in countries and regions which are served by E-JUST.

Faculty of Engineering (FoE)

Mission

- Discovery and dissemination of new knowledge, through focusing on quality education and active learning to improve the quality of life.
- To become a role model for higher education and research institutions in Egypt by fostering the Japanese educational standards.
- To implement Japanese academic concepts founded on Experimental Learning methodology by integrating Lab Based-Learning (LBI), Project Based-Learning (PBL) and Problem Based-Learning, with teamwork spirit.
- To provide a high-quality, effective, and efficient learning environment for its students based on experimental learning approach.
- To prepare creative engineers who can design, manufacture, manage and operate intelligent systems in the professional fields of industry and economy.
- To lead institutions towards unifying main curriculum courses in specialized programs, to encourage internationalization of higher education soon, and to enable credit transfer and students' mobility, making the best use of the most successful practices to award Joint degrees.

FoE Schools and Programs

The faculty is constituted of three engineering schools which include ten undergraduate programs of multidisciplinary engineering specializations namely as shown below.

Table 2 FoE Schools and Programs

School	Department	Dept. Code	Offered Program	Program Code
Electronics, Communications, and Computers Engineering (ECCE)	Computer Science and Engineering	**CSE**	Computer Science and Engineering	**CSE**
	Electronics, Communications Engineering	**ECE**	Electronics and Communications Engineering	**ECE**
			Biomedical and Bioinformatics Engineering	**MIE**
	Electrical Power Engineering	**EPE**	Electrical Power Engineering	**EPE**
Innovative Design Engineering (IDE)	Industrial Engineering and Systems Management	**IEM**	Industrial and Manufacturing Engineering	**IME**
	Mechatronics and Robotics Engineering	**MTR**	Mechatronics Engineering	**MTE**
	Materials Science and Engineering	**MSE**	Materials Science and Engineering	**MSE**
Energy, Environment, Chemical and Petrochemical Engineering (EECE)	Energy Resources Engineering	**ERE**	Energy Resources Engineering	**ERE**
	Environmental Engineering	**ENV**	Environmental Engineering	**ENV**
	Chemical and Petrochemical Engineering	**CPE**	Chemical and Petrochemical Engineering	**CPE**

FoE Students will choose their Specialization at their third semester and confirm it before the start of the fourth semester.

Academic Information and Notices from E-JUST

Table 3 Academic Information and Services

Office	Services	Office Hours
• Academic Affairs Office & Student Affairs Office • Main Campus, Administrative Building Office, Ground floor.	**Academic Affairs Section** Course Registration, Classes, Examinations. **Student Affairs Section** Scholarship and Career Support	Sunday - Thursday 9:30 am - 03:30 pm

Notices from the Academic Affairs Office and Student Affairs Office

General Messages to students are sent by email to E-JUST Email address.

Academic Affairs Office and Student Affairs Office E-mail:

Admission Section: **ug.foe@ejust.edu.eg**

Registration Section: **ug.foe@ejust.edu.eg**

Career Support Section: **career.support@ejust.edu.eg**

Faculty office hours and contact details

Each faculty member has allocated office hours to facilitate consultation and guidance relating to coursework. Students may visit faculty as necessary during these office hours.

Information on faculty office hours, locations and contact e-mail addresses will be shared among students by the instructors at the beginning of each semester.

Basic Academic Information

The following information contains details relating primarily to academic matters and Academic Office procedure.

Year Level and Graduation

Year Level

A student is transferred from level 1 to level 2 after successfully completing 36 credit hours, and from level 2 to level 3 after successfully completing 72 credit hours, from level 3 to level 4 after completing 108 credit hours, and from level 4 to level 5 after successfully completing 144 credit hours.

Graduation

- In order to graduate from E-JUST, students should fulfill all of the following requirements.
- The minimum number of credit hours required for obtaining the Bachelor of Science Degree (B.Sc.) in Engineering is **160 credit hours and with an average score of not less than CGPA 2.00** in **no less than nine semesters and maximum of 8 years**.

Degree

Those who have fulfilled graduation requirements will be awarded a bachelor's degree (B.Sc.) in one of the following specializations:

- Electronics and Communications Engineering.
- Computer Engineering.
- Electrical Power Engineering.
- Biomedical and Bioinformatics Engineering.
- Industrial and Manufacturing Engineering.
- Mechatronics Engineering.
- Materials Science and Engineering.
- Energy Resources Engineering.
- Chemical and Petrochemical Engineering.
- Environmental Engineering.

Overview of Academic Year

E-JUST academic year 2021/2022 begins in October. The academic year is divided into two main semesters. Registration and grade announcements are semester-based, released at the end of the semester. There may also be instances where classes and internships are scheduled on Saturdays or holidays.

Table 4 Overview of Academic Year

October	November	December	January	February	March	April	May	June	July	Note
Fall Semester					Spring Semester					Number of Weeks Excludes Final Examination Weeks
15 Weeks					15 Weeks					

Credit System

Coursework at E-JUST is based on the credit system. The number of credits earned per course is determined by the Academic Plan and is based upon the number of class hours (including study conducted outside of class, homework, etc.).

1. Treatment of Class Absences

- **Applicable cases for official absence**
  1. Absence to attend practical training sessions held as part of a curricular course conducted by E-JUST.
  2. Absence for any other special cases according to above cases
     *When such an instance occurs, it will be approved VPEAA.
- **Measures to be taken in the case of an official absence**
  In order to avoid disadvantages due to official absence, the following measures shall be taken.
  1. Not count the class as an absence (do not include the class in the number of required days of attendance)
  2. Take measures as described below:
     - Provide the student with any materials distributed during class.
     - Indicate the material covered during class and explain the key points.
     - Provide guidance for self-study.
     - Provide other guidance and/or assistance regarding the class, including an alternative for the tests or reports given during the class.
- **Application Procedure for Official Absence**
  1. Students submit the certificate or such documents from hosted institution stating their accepted period for training to the Academic Affairs Office.
  2. After Academic Affairs Office confirms the period of absence, a designated “Official Absence Form” will be sent by email. After the student has filled out the form, it has

to be signed by the student and his academic advisor and submit it to student affairs office to take the approval of VPEAA.

3. Student affairs office will send "Approved Absence Period" to the instructor in charge.

2. Special Consideration for Absence Other Than Official Absence

- **Cases in which special consideration will be given:**
  - Extracurricular activities.
  - Death in the family member (relatives within the second degree of relationship).
  - Being involved in disaster.
  - Illness.
- **Measures to be taken in the case of absence other than an official absence**

Absence associated with extracurricular activities

- Not count the class as an absence in case the student successfully completes the makeup assignment given by the course instructor.
- Take measures as described below.
  - Provide the students makeup assignment equivalent to the quality of the missed classroom work
  - Provide the student with any materials distributed during class
  - Indicate the material covered during class and explain the key points
  - Provide guidance for self-study
  - Provide other guidance and/or assistance regarding the class, including an alternative for the tests or reports given during the class

Absence by the death in the family member, disaster, or illness

- These absences are treated as an absence.
- Take measures as described below.
  - Provide the student with any materials distributed during class.
  - Indicate the material covered during class and explain the key points.
  - Provide guidance for self-study.
  - Provide other guidance and/or assistance regarding the class, including an alternative for the tests or reports given during the class.

3. Special Consideration for Absence due to the Egyptian Law defined Infection Disease

- **Cases in which special consideration will be given**

Contracting an infectious disease as defined by the Egyptian Law

- **Measures to be taken in the case of absence due to the Egyptian Law Defined Infection Disease.**
  - The university will take appropriate measures as defined in the Law for each appropriate situation. If a student is diagnosed by a medical doctor as having an infectious disease, the President of E-JUST shall suspend the student.
  - These absences are treated as an absence.

- However, if there are many affected persons, the university may treat absences as “Official Absence” in order to preserve the safety of other students, faculty, and staff and prevent further spread of the disease. In such cases, students will receive a separate notification.
- Take measures as described below:
  - Provide the student with any materials distributed during class.
  - Indicate the material covered during class and explain the key points.
  - Provide guidance for self-study.
  - Provide other guidance and/or assistance regarding the class, including an alternative for the tests or reports given during the class.
  -

- **Application Procedure**

After recovery, students present the medical certificate directly to student affairs office.

Table 5 Treatment of Class Absences

Category	Case	Required document	Treatment of absence	Measures to be taken by course instructor
Official Absence	1. Absence to attend practical training sessions held as part of a curricular course conducted by E-JUST.	Certificate or such documents from hosted institution stating their accepted period for training	Not count the class as an absence	• Provide the students with any materials distributed during class • Indicate the material covered during class and explain the key points • Provide guidance for self-study • Provide other guidance and /or assistance regarding the class, including an alternative for the tests or reports given during the class • Additional treatment for the case of 2.-1), • Provide makeup assignment equivalent to the quality of the missed classroom work
	2. Absence for any special cases equivalent to the above*1	Subject to be decided by the Education Council		
Other Than Official Absence	1. Absence associated with extracurricular activities	Proof of tournament participation (E-JUST prescribed form)	Not count the class as an absence in case the student successfully completes the makeup assignment given by course instructor	
	2. Absence by the death in the family member (relatives within the second degree of relationship)	Official proof of death	These absences are treated as an absence.	
	3. Absence by being involved in disaster	Disaster victim certificate		
	4. Absence by illness	Medical certificate		
	5. Absence by contracting an infectious disease as defined by the Egyptian Law*2	Medical certificate		

∗1: When such an instance occurs, it will be deliberated at the Education Council.

∗2: If there are many affected students, the university may treat absences as “Official Absence” in order to preserve the safety of other students, faculty, and staff and prevent further spread of the disease.

Study Support and Academic Advising

E-JUST offers a variety of study support options to support students in their independent study. We hope that all students will proactively make use of this support.

Academic Advising

An academic advisor will be assigned for each student. The academic advisor is responsible for:

- Advising the student during his course work.
- Clarify the articles of the bylaw to the student.
- Helping the students in registration and the proper courses selection each semester.
- Helping the student to select the elective courses relevant to the field he wishes to study.
- Recommending any additional complementary courses that, in the opinion of the academic advisor, the student must take.
- Put the student who got GPA below 2.00 under observation and try to help him to raise his GPA by proper courses selection.
- Help the student in add/drop courses and in withdrawal.

So please consult with your advisor if you want to ask about any academic issue.

Topics for Academic Advising

You can speak with an advisor on any issue, large or small. Please consider academic advising for the following topics, or for any other questions you wish to ask or concerns you might have:

- Unsure what to do now to prepare for your future.
- Unsure how to write reports.
- Trouble understanding in class.
- Having too many things you want to do and not knowing where to begin.
- Trouble completing credits**.**

Curriculum and Academic Plans (Faculty of Engineering)

Meaning of Curriculum

Curriculum is a determined requirement; the student has to fulfill all the requirements to obtain Bachelor of Science Degree (B.Sc.) in Engineering.

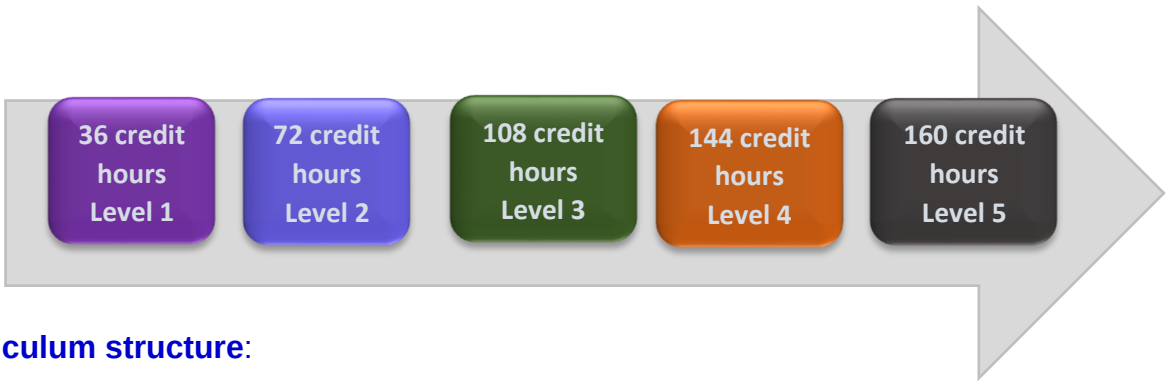
Graduation Requirement

The minimum number of credit hours required for obtaining the Bachelor of Science Degree (B.Sc.) is 160 credit hours in no less than nine semesters and maximum of 8 years with average score of not less than CGPA 2.00.

Year Levels and Curriculum Structure

Year Level:

The following flow indicates number of credit hours required for each student to transfer from level to another:



Curriculum structure:

All registered students will study the same courses in the first three semesters; the student will start his specialization (engineering courses) from the fourth semester.

Course Structure

The undergraduate courses are divided into three main groups as follows:

- University Requirements (UR) / Liberal Arts courses
- Faculty, School, and Program Requirements courses
- Industrial Training and Graduation Project

University Requirements (UR) / Liberal Arts courses

University Requirements (UR) courses which represent in the liberal arts courses contains four main categories (Arts and Humanities, Social sciences, Natural sciences and Key skills) and these categories have 10 core courses of 18 credit hours and at least four elective courses of 8 credits hours. The lists of these courses are given in the study plan attached as an Appendix of this book.

Faculty, School and Program Requirements courses

- Faculty requirement courses are studied by all the programs of faculty (common for all the schools of the faculty) and contain two different groups: Basic Science courses and Basic Engineering courses.
- School requirement courses are studied by all the programs of the school (common for all the programs of each school).
- Program requirement courses are studied by each program (not common in all the programs of each school).

Each program contains core courses and five elective courses. The students select the five elective courses from a list of offered courses by each program. The faculty requirements courses, core courses and elective courses of each program are given in the study plan attached as an Appendix of this book.

Industrial Training and Graduation Project

(1) Industrial Training (4 credit hours)

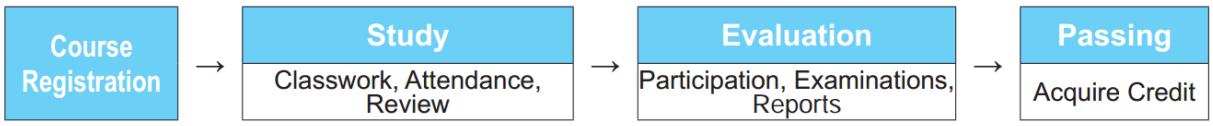
Industrial training is considered a mandatory of the study. The B.Sc. degree will not be awarded to the student unless he/she spends a total of two months of industrial training throughout the academic years starting from the first year. Industrial Training weighs 4 credit hours, and the evaluation criteria is specified according to E-JUST system.

(2) Graduation Project (10 credit hours)

The student registers his/her graduation project in the final two semesters, which consists of two parts. The student cannot register it before the eighth semester, and it weighs 10 credit hours (3 in eighth semester + 7 in ninth semester).

From Registration to Credit Completion

Course registration is the process of each student registering for courses they would like to take, as well as a declaration of intent. Course registration is the most important part of course planning, and is obligatory to attend classes, receive credit and for graduation. Course registration takes place in the beginning of each semester. Please refer to courses timetable and study plan sent by the Academic affairs Office in order to register for courses during the appropriate course registration period. Please use extra caution when registering for classes and for the registration deadline to ensure you are able to progress in your study plan.



Credit Registration Limits

There is a fixed maximum number of credits for which students may register each semester. Please note that this number differs depending on the student Cumulative GPA (CGPA).

Registration will be according to the following conditions for FoE:

1. In Fall - and Spring semesters: Normal students can register up to 20 credit hours and no less than 14 credit hours for FOE.
2. Students with CGPA less than 2.00 can register less credit hours**.**
3. All new accepted students should register all the credit hours of the first semester. Provisional students can register up to **11 credit hours** based on the university's academic schedule along with English intensive course.

Important Note for Course Registration

1. Students cannot register over the credit limit per semester.
2. Students cannot register for subjects held during the same period on the same day.
3. Students may register for subjects that can be taken more than once or when they are approved for re-registration. Please refer to Course Repetition.
4. Before your registration for a course, you have to check if it has any **prerequisite** or **co-requisite** courses (You can ask for the support of your advisor).
5. Students cannot register a course without completing and attending the final exam of its prerequisite course (if any).
6. Students have to register the course and its co-requisite course (if any) in the same semester.
7. Courses may be cancelled in cases where the number of students registered for the subject does not satisfy the established minimum quota.

Registration Schedule

The registration for any course should take place during the two weeks preceding each semester, after satisfying all registration requirements and the payment of tuition fees set by the University Council.

Add & Drop / Withdraw

1. If a student wants to change his/her registered courses, he/she can change it **during the first two weeks** of the semester by **Adding or Dropping courses using the online registration system** and after consulting with his/ her academic advisor.
2. If a student wants to drop any course after the first two weeks, he/she can use the online registration system to **withdraw from any course** (in this case student will receive grade **"W"** in his/her transcript).
3. **Deadline to withdraw from the courses through the online registration in both** fall / Spring Semester is **before the end of the tenth week.**

4. Any withdraw request after the deadline, student will receive grade **Withdrawn Failing "WF"** in his/her transcript and it will be counted in CGPA. Grade "W" will not affect the CGPA however the "W" will be mentioned at the transcript only for documentation. The W and WF course will be considered as a repeated course when the students register it in the future.

Course Repetition

- Courses in which a student received a grade of F, FW, W and WF should be repeated.
- Courses in which a student received a grade of D+, D may be repeated for improvement (based on the student's desire).
- If student repeats the course, he/she should attend the class lectures – labs and fulfill all course requirements.
- Repetition more than once requires the approval of the department chair.
- If a student takes the same course more than once, all grades will appear on the student's record.
- The student will receive credits for the most recently earned grade and will be used in computing the cumulative GPA.
- Student will pay the repeated course fees in addition to the semester fees.

Course and Laboratory Attendance

The student is not allowed to attend the final exam of a course unless he/she attended at least 75% of the study hours of the course. In this case, the student will be considered as "Forced Withdrawn" and the course will appear in his certificate as (FW), and will not be counted in calculating the CGPA.

Probation and Dismissal

If you Got CGPA less than 2.00:

- You will be considered as **Under Probation** student.
- You can register less credits per semester (Fall and/or Spring) as **14 credit hours for FOE**.
- To end under probation period your **Cumulative GPA must raise to 2.00 or more.**
- You are allowed to stay under probation for **6 semesters as maximum**. If your **CGPA remains below 2.00 at the end of the last probationary semester**, you will be academically dismissed.

Registration Advising

Advising for course registration process is always available at the Academic Affairs Office. When requesting assistance with course registration, please refer to the following guidelines. This will ensure the University is able to provide accurate support.

Office Contact

Please visit the Academic Affairs Office during office hours. As a rule, registration assistance is not provided via phone, as we cannot confirm a student's identity. Due to possible delays in a reply to email enquiries, in the case of an emergency, please come directly to Academic Affairs Office for assistance.

Academic Affairs Office Hours	
Sunday – Thursday **(Main campus, administrative building, Ground floor)**	From 09:30 am to 02:00 pm

Documents to Bring

・Student ID

Preparation

・Please consider the topics you wish to talk about before coming to the Academic Affairs Office.

・Please review the Student Academic Handbook for relevant information and rules.

Future Plans and Goals

After fully understanding the content discussed, students are responsible for making their own decision in carrying out registration.

Examinations

Midterm Examination

Midterm Examinations are held according to the following schedule.

Midterm examination period	Fall and Spring Semester
	The 9th week of semester

- Examinations shall be conducted separately for each subject by the course instructor of the subject. Only the courses with grade evaluation method of midterm examination in the bylaws/syllabus shall qualify for midterm examinations.
- The course instructor shall announce the exam results to the students in the next lecture of the exam week.
- Midterm examination schedules (including course, dates, times and rooms) are released each semester. Remember that the examinations take places at timings different from those classes are usually held at. Students are responsible for checking their examination schedule by themselves.
- Midterm examinations shall be conducted in writing. The students answer the questions in the exam sheet. There is no separate answer sheet.

- Midterm examinations can only be taken by persons with current student status at the time of the examination and only in the subjects in which they are enrolled.
- Notwithstanding the preceding paragraph, students who are suspended at the time of the examination are not eligible.

Final Examinations

Final Examinations are held according to the following schedule.

Action	Fall and Spring Semester
Announcement of final examination schedule	One week before the final examination
Final examination period	The 17th week of semester

1. Final examinations are held for each course per semester. These examinations are important in measuring students' progress in their daily studies and are based on independent study.
2. Final examination schedules (including course, dates, times and rooms) are released each semester. Remember that the examinations take places at timings different from those classes are usually held at. Students are responsible for checking their examination schedule by themselves.

Makeup Examinations

A student who couldn't take the final examination(s) due to an unavoidable reason listed below may be allowed to take makeup exams for up to five courses per semester.

Courses with the Grade Evaluation Method of "Final Examination" in the Syllabus/Bylaws qualify for makeup examinations.

* Tests or quizzes administered in classes, or subjects that are assessed solely by report examinations do NOT qualify for makeup examinations.

Valid Reasons for Applying to Makeup Exams

Table 6: Valid Reasons for Applying to Makeup Exams

Reason for Not Taking Final Exam	Required Documents and Information
1) Illness of the examinee*1	1) Medical certificate (including the examination date).
2) Bereavement leave (spouse and first or second degree relative)	2) Official death certificate (up to 7 days from the date of death of the first degree relative or spouse inclusive of Fridays/national holidays, or up to 5 days from the date of death of the second degree relative inclusive of Fridays and national holidays).
3) Natural or man-made disaster	3) Disaster victim certificate.
4) Extracurricular activity	4) The form will be subject to decision by the Education Council (or delegated to VPEAA).
5) Other unavoidable grounds*2	5) The form will be subject to decision by the Education Council (or delegated to VPEAA).

*1. The treatment of students with infectious diseases will be set forth separately.
*2. Decisions will be made by the Education Council (or delegated to VPEAA).

Schedule of Makeup Examination

- Students whose excuse is accepted will register for the course again once it's offered in any preceding semester. The student will not pay for it again and will keep the same grade for midterm, class work and any other assessments and shouldn't attend the lectures again. The student will be requested only to take the final exam again in the preceding semester.

How to Request Makeup Examination

Students must submit requests for makeup examinations before the examination day of the subject. If, for reasons beyond their control, students are unable to make the request beforehand, they must do so within three days (excluding Fridays and Saturdays) after the examination date (inclusive of the examination date).

(1) Required Documents:

- A makeup examination request form.
- Necessary evidential documentation.
- Valid Reasons and Required Evidential Documents to Qualify for Makeup Examination.

(2) Required Procedures:

- Make a request to Academic Affairs Office for a makeup examination before the deadline. Bring all necessary certificates and evidential documentation.
  * Even if students cannot obtain the necessary evidential documentation or students are unable to come to campus by the deadline, students must consult with the Academic Affairs Office before the deadline.
- Students will be given a makeup examination request form if students are eligible to make a request. Students should fill out the request form and submit the form with the necessary evidential documentation by the deadline.
  * If the request is subject to review by the Educational Council, students will be asked to submit only the request form.
- Academic Affairs Office will examine and approve the requests in case of reason 1), 2) and 3) in the above table (Valid reasons). These requests will be reported to VPEAA weekly and the nearest Education Council by Academic Affairs Office. The requests in case of reason 4) or 5) in the above table (Valid reasons) will be approved by the nearest Education Council or by VPEAA if the nearest Education Council will be badly timed.

Precautions regarding Midterm, Final and Makeup Examination Procedures

- Place student ID on the desk with the photograph side up.
- Follow the directions of course instructor.
- Do not engage in any improper conduct as defined below or any actions that may be construed as improper conduct.
- Mobile phones, smartphones, smart watches, etc. can't be used in the examination classrooms even as a clock and must be turned off.
- A student arriving more than 30 minutes late after the start of an exam will not be admitted to the examination room.
- Examinees may leave the examination venue after at least a half of examination has elapsed since the start of the examination and if permitted by the course instructor.

Improper Conduct:

Improper conduct in examination venue is conduct that falls into any of the following categories:

- Revealing an answer to another examinee.
- Exchanging answers with another examinee.
- Possessing and/or using a cheat sheet.
- Using notes, reference materials, a dictionary or other material that is not permitted in the examination venue.

- Using a mobile telephone, personal computer, electronic dictionary, or other information and communications device.
- Writing on personal effects, a desk or the like in advance and/or using such writing
- Talking or peeping.
- Using or acting as a stand-in examinee.
- Entering false information on an answer sheet, attendance list or other material, or deliberately failing to write one's name on an answer sheet.
- Failure to submit answer sheets by taking them out of the examination venue, destroying them or other.
- Failure to follow the directions of a proctor in regarding to the production of answers.
- Other conduct that is judged to obstruct the fair implementation of an examination.

Treatment of improper conduct

A student who has engaged in improper conduct in a midterm examination will be subject to E-JUST Student Disciplinary Regulations.

Evaluation and Grades

Grading System

The final grade and the grade point in a course are based on the total aggregate of marks earned from all activities done in the course.

Table 7: Grading System of FoE courses

Percentage Marks		Grade	
≥ 95%	**Excellent**	**4.00**	**A+**
≥ 90%-less than 95%		**3.70**	**A**
≥ 85%-less than 90%	**Very good**	**3.30**	**B+**
≥ 80%-less than 85%		**3.00**	**B**
≥ 75%-less than 80%	**Good**	**2.70**	**C+**
≥ 70%-less than75%		**2.30**	**C**
≥ 65%-less than 70%	**Pass**	**2.00**	**D+**
≥ 60%-less than 65%		**1.70**	**D**
Less than 60%	**Fail**	**1.00**	**F**

Table 8: Grading system of University Requirements and Liberal Arts Courses

Percentage Marks		Grade	
≥ 95%	Excellent	4.00	A+
≥ 90%-less than 95%		3.70	A
≥ 85%-less than 90%	Very good	3.30	B+
≥ 80%-less than 85%		3.00	B
≥ 75%-less than 80%	Good	2.70	C+
≥ 70%-less than75%		2.30	C
≥ 65%-less than 70%	Pass	2.00	D+
≥ 50%-less than 65%		1.70	D
Less than 50%	Fail	1.00	F

Other Grades

In addition to the above grades, the following grades may appear in the student transcript:

W	Withdrawn	Student was enrolled in a credit course and withdrew from the course before the tenth week in the fall and spring semesters.
WF	Withdrawn Failing	Student was enrolled in a credit course and withdrew from the course after the tenth week in the fall and spring semesters
FW	Forced withdrawal	Students who do not achieve the minimum attendance of the course sessions (75%)

A course in which the grade F, FW, W or WF is received will not be counted toward degree requirements.

GPA

Semester GPA

The semester GPA is the sum of all quality points (quality points of a course = course credit hours' x grade points of the course) for one semester for grades A+, A, B+, B, C+, C, D+, D, WF, and F divided by the sum of all corresponding semester credit hours.

- How to calculate Semester GPA

$$\frac{\text{(No. of A+ credits}\times 4)+\text{(No. of A credits}\times 3.7)+\text{(No. of B+ credits}\times 3.3)+\text{(No. of B credits}\times 3)+ \text{(No. of C+ credits}\times 2.7)+\text{(No. of C credits}\times 2.3)+\text{(No. of D+ credits}\times 2)+\text{(No. of D credits}\times 1.7)+ \text{(No. of F,WF credits}\times 1)}{\text{Registered credits for given semester}}$$

Cumulative GPA

The cumulative GPA is computed similarly using all the grades received by the student. It is calculated from the time of a student's enrollment through to a student's last semester.

- How to calculate Cumulative GPA

$$\frac{\text{(No. of A+ credits}\times 4)+\text{(No. of A credits}\times 3.7)+\text{(No. of B+ credits}\times 3.3)+\text{(No. of B credits}\times 3)+ \text{(No. of C+ credits}\times 2.7)+\text{(No. of C credits}\times 2.3)+\text{(No. of D+ credits}\times 2)+\text{(No. of D credits}\times 1.7)+ \text{(No. of F,IF,WF credits}\times 1)}{\text{Total Credits Hours Gained}}$$

Notification Result

Students are notified with the result through the system after the approval of the result.

Grade Re-Confirmation Application

Students may make appeals regarding their grades if they find the followings on the transcript after the grades are issued:

- Register for the course but did not receive a grade
- Did not register for the course but received a grade.
- Registered for the course and met the grading criteria based on the syllabus/ bylaws but received an “F” grade. In this case, student can submit a grade-reconfirmation application

How to make an application

- The student fills the application form for the grade re-confirmation signed by him/her and submits it to Academic Affairs Office.
- The student must pay fees of 200 EGP for making an inquiry.
- Student can’t review his/her answer sheet. This job is done by the course instructor and the control team only.

Scholarships

Excellence Scholarships

Students who are granted any excellence scholarships must get CGPA 3.0 to keep their scholarship.

Students who are granted Governments scholarships, or full scholarship for their academic merit during Thanawya Amma or Stem final year must get CGPA 3.0 to keep their scholarship.

Students who are granted Sports scholarship get CGPA 2.4 to keep their scholarship and must represent the university in any activities or championships if requested.

Students who get a CGPA of 3.7 will get a discount of 20% for the next academic year.

Students who get a CGPA of 3.85 will get a discount of 40% for the next academic year.

Students who are granted international baccalaureate scholarship must get CGPA 3.0 to keep their scholarship.

Certificates

Types of Certificates and Fee

Transcripts and other certificates can be requested from the Student Affairs Office.

Students shall pay the document fees according to the table below.

Table 10: Types of Certificates and Fee

Type of Certificates	Fee per copy
Academic Transcript	350 EGP
Certificate of Enrollment	150 EGP
Course Description	500 EGP
Other General Statement	150 EGP
Suspension for one semester	2500 EGP

Certificate Issue Times

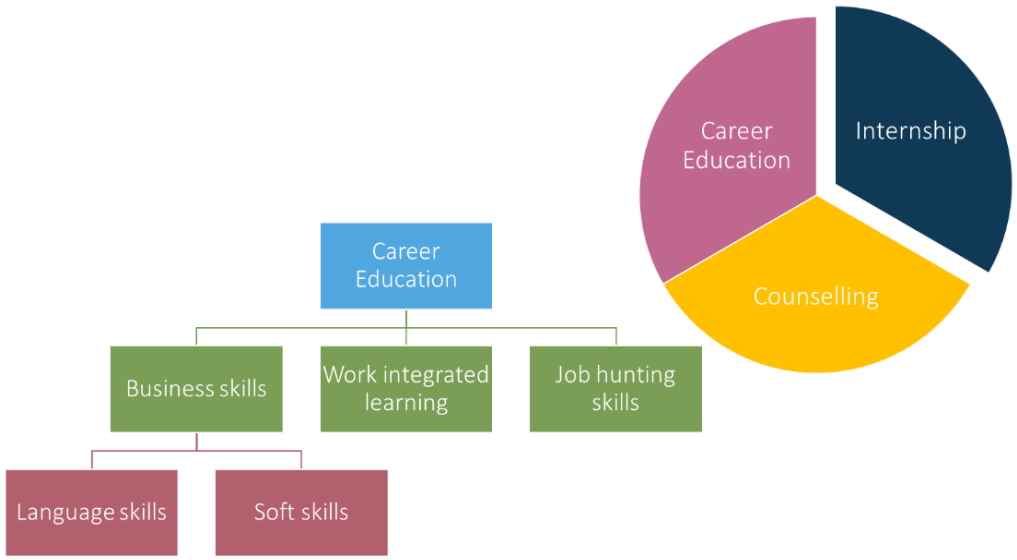
1. Certificates are issued and given to you in **3 to 5 working days (excluding weekends and holidays) after the Student Affairs Office has received the receipt of fees payment.**
2. **Certificates cannot be issued on the same day.**
3. Depending on the type of certificate, additional time may be required.
4. Student must submit martyr label (طابع شهيد) for any requested document. “From any post office”
5. To receive the requested document, you must bring the second receipt you will receive from the financial department with you, otherwise, you won’t be able to receive the document.
6. You should receive the requested document within 15 days from the payment date, or it will be destructed, and you will be asked to request another one and pay for it.

How to Apply for Certificates

1. Applications for certificates are accepted by email.
2. Applications by telephone are not accepted.
3. Please present your student ID card when requesting any document.
4. You can pay at the post office on the university account in the Egyptian post (account number: 0454812000001818), then sending the receipt by email any bringing the two receipts with you during receiving the documents.

Career Support Activities

Career Education



- **Raise Awareness:** E-JUST has been working on raising awareness of career planning during students' period of study at E-JUST by equipping them with tools required to make them competitive in the job market.

- **Lectures form from various professionals**: E-JUST always welcomes business professionals from outside E-JUST to increase student knowledge about real business fields and the nature of business environments, stressing on what they need to do to build themselves during their study period. Visits by various companies are most welcome for developing a career-oriented mind among E-JUST Students.

- **Improve business and soft skills:** E-JUST undergraduate students have a chance to participate in specialized programs such as entrepreneurship as well as developing special skills such as language and communication, etc.

Counseling:

Individual counseling meetings designed to facilitate students' achievement, improve their behavior and attendance, and help them develop socially and academically.

Internships:

- More than half of E-JUST 2nd year undergraduate students have experienced the first internship opportunities during Spring 2019. They are enthusiastic to join more. It would be highly appreciated if you have interest and contact us to accept E-JUST interns at your workplace!
- Past internships:
  PHARCO, Enppi, SIDPEC, ETHYDCO, Toyota, Mega Trust

(Appendix A)

(Appendix A) Study Plans and Elective Courses of FoE Programs

Study Plan for Semester 1: Semester 3 (FoE-All Programs)

Semester	Course Code	Course	Credits	Lecture	Tutorial	Lab	Contact Hrs.	Pre/ Co-requisites	Exam Duration
1	LRA 101	Japanese Culture	2	2	0	0	2		-
	LRA 405	Key skills seminar (1)	2	2	0	0	2		-
	LRA 401	Japanese Language (1)	1	0	0	2	2		-
	MTH 111	Mathematics (1) (Calculus + Linear Algebra)	3	2	2	0	3		3
	PHY 111	Physics (1)	3	2	2	0	3	PHY 112*	3
	CHM 111	Chemistry (1)	2	2	0	0	2	CHM 112*	2
	PHY 112	Basic Sciences Lab-1 (Physics (1))	1	0	0	2	2	PHY 111*	-
	CHM 112	Basic Sciences Lab-2 (Chemistry (1))	1	0	0	2	2	CHM 111*	-
	MCE 111	Mechanics (Statics + Dynamics)	3	2	2	0	3		3
	IME 111	Safety and Risk Management	2	2	0	0	2		2
	Total		**20**	**14**	**6**	**6**	**23**		
2	LRA 402	Japanese Language (2)	1	0	0	2	2	LRA 401	-
	LRA 406	Key Skills Seminar (2)	2	2	0	0	2	LRA 405	-
	MTH 121	Mathematics (2) (Calculus + Linear	3	2	2	0	4	MTH 111	3
	PHY 121	Physics (2)	3	2	2	0	4	PHY 111 + PHY 122*	3
	CHM 121	Chemistry (2)	2	2	0	0	2	CHM 111 + CHM 122*	2
	PHY 122	Basic Science Lab-3 (Physics (2))	1	0	0	2	2	PHY 121*	-
	CHM 122	Basic Science Lab-4 (Chemistry (2))	1	0	0	2	2	CHM 121*	-
	EPE 121	Electrical Engineering (Circuits + Machines)	3	2	2	0	4	PHY 111 + EPE 122*	3
	EPE 122	Electrical Engineering Lab (Circuits + Machines)	1	0	0	2	2	EPE 121*	-
	IME 121	Engineering Drawing	3	2	0	2	4		3
	Total		**20**	**12**	**6**	**10**	**28**		
3	LRA 301	Environment and Earth Science	2	2	0	0	2		-
	MTH 211	Probability and Statistics	2	2	0	0	2	MTH 111	2
	CSE 211	Computer Programming	2	2	0	0	2	CSE 212*	2
	CSE 212	Computer Programming Lab	1	0	0	2	2	CSE 211*	-
	ECE 211	Introduction to Electronics Engineering	2	2	0	0	2	EPE 121 + ECE 212*	2
	ECE 212	Electronics Engineering Lab	1	0	0	2	2	ECE 211*	-
	CPE 211	Introduction to Energy, Environmental and	2	2	0	0	2		2
	CPE 212	Introduction to Energy, Environmental and Chem. Eng. Lab	1	0	0	2	2	CPE211*	-
	MSE 221	Fundamentals of Materials Science	2	2	0	0	2		2
	MSE 222	Materials Science Lab	1	0	0	2	2	MSE 221*	-
	IME 211	Introduction to Manufacturing Processes	2	2	0	0	2	IME 121 + IME212*	2
	IME 212	Manufacturing Processes Laboratory	1	0	0	2	2	IME 111 + IME 211*	-
	Total		**19**	**14**	**0**	**10**	**26**		

Study Plan for ECE Program (Semester 4: Semester 9)

Semester	Course Code	Course	Credits	Lecture	Tutorial	Lab	Contact Hrs.	Pre/ Co-requisites	Exam. Duration
4	LRA 202	Peace studies	2	2	0	0	2		-
	LRA 103	Fine Arts appreciation, drawing, and	2	2	0	0	2		-
	LRA xxx	UR elective 1	2	2	0	0	2		-
	BIO 121	Fundamental of life Science	2	2	0	0	2		2
	EPE 221	Measurements and Instrumentations	2	2	0	0	2	ECE 211 + EPE 222*	2
	EPE 222	Measurements and Instrumentations Lab	1	0	0	2	2	EPE 221*	-
	CSE 213	Numerical Analysis	3	2	1	2	5	MTH 121 + CSE 211*	3
	IME 221	Project Management	2	2	0	0	2		2
	ECE 221	Digital Logic Design	2	2	0	0	2	CSE 211 + ECE 211	2
	ECE 222	Digital Logic Design Lab	1	0	1	2	3	ECE 221*	-
	Total		**19**	**14**	**2**	**8**	**24**		
5	LRA xxx	UR elective 2	2	2	0	0	2		-
	ECE 310	Microprocessors and Microcontrollers	2	2	0	0	2	ECE 221 + ECE 311*	2
	ECE 311	Microprocessors and Microcontrollers	1	0	1	2	3	ECE 310*	-
	ECE 312	Electric Circuits	2	2	0	0	2	EPE 121 + ECE 313*	2
	ECE 313	Electric Circuits Lab	1	0	1	2	3	ECE 312*	-
	ECE 314	Signal and Systems	2	2	0	0	2	MTH 121 + ECE 315*	2
	ECE 315	Signal and Systems Lab	1	0	1	2	3	ECE 314*	-
	ECE 316	Engineering Mathematics	3	2	2	0	4	MTH 121	3
	ECE 317	Electronic Devices	2	2	0	0	2	PHY 121 + MTH 121 + ECE 318*	2
	ECE 318	Electronic Devices Lab	1	0	1	2	3	ECE 317*	-
	ECE 319	Seminar on ECE	2	2	0	0	2	EPE 221 + ECE 221	-
	Total		**19**	**12**	**6**	**12**	**30**		
6	LRA 102	Introduction to Philosophy	2	2	0	0	2		-
	LRA xxx	UR elective 2	2	2	0	0	2		-
	ECE 321	Project Based Learning on ECE	2	0	0	4	4	ECE 310	-
	ECE 322	Electronic Circuits	2	2	0	0	2	ECE 211	2
	ECE 323	Electronic Circuits Lab	1	0	1	2	3	ECE 322*	-
	ECE 324	Digital Signal Processing	2	2	0	0	2	ECE 314 + ECE 325*	2
	ECE 325	Digital Signal Processing Lab	1	0	1	2	3	ECE 324*	-
	ECE 326	Communications Systems Fundamentals	2	2	0	0	2	ECE 314 + ECE 316 +	2
	ECE 327	Communications Sys.& Fundamentals	1	0	1	2	3	ECE 326*	-
	ECE 328	Engineering Electromagnetics	2	2	0	0	2	ECE 316 + ECE 329*	2
	ECE 329	Engineering Electromagnetics Lab	1	0	1	2	3	ECE 328*	-
	Total		**18**	**10**	**4**	**16**	**30**		
7	LRA xxx	UR elective 3	2	2	0	0	2		-
	ECE 411	Electromagnetic Fields and Waves	2	2	0	0	2	ECE 328 + ECE 412*	2
	ECE 412	Electromagnetic Fields and Waves Lab	1	0	1	2	3	ECE 411*	-
	ECE 413	Digital Communications Systems	2	2	0	0	2	MTH 211 + ECE 326 + ECE 414*	2
	ECE 414	Digital Communications Systems Lab	1	0	1	2	3	ECE 413*	-
	ECE/EPE/MTE	Elective 1	3	2	1	2	5		3
	ECE/EPE/MTE	Elective 2	3	2	1	2	5		3
	ECE/EPE/MTE	Elective 3	3	2	1	2	5		3
	Total		**17**	**12**	**5**	**10**	**27**		
8	LRA 201	Introduction to Economics and	2	2	0	0	2		-
	MTE 324	Automatic Control	2	2	0	0	2	MTH 121 + MTE 325*	2
	MTE 325	Automatic Control Lab	1	0	1	2	3	MTE 324*	-
	ECE 421	Principles of Information Theory and Coding	2	2	0	0	2	ECE 413 + ECE 422*	2
	ECE 422	Principles of Information Theory and	1	0	1	2	3	ECE 421*	-
	ECE/EPE/MTE	Elective 4	3	2	1	2	5		3
	ECE/EPE/MTE	Elective 5	3	2	1	2	5		3
	ECE 420	Graduation Project (1)	3	0	0	12	12		-
	Total		**17**	**10**	**4**	**20**	**34**		
9	ECE 500	Graduation Project (2)	7	0	0	28	28	ECE 420	-
	ECE 499	Industrial Training (2 Modules)	4	0	0	20	20		-
	Total		**11**	**0**	**0**	**48**	**48**		

Study Plan for CSE Program (Semester 4: Semester 9)

Semester	Course Code	Course	Credits	Lecture	Tutorial	Lab	Contact Hrs.	Pre/ Co-requisites	Exam Duration
4	LRA 202	Peace studies	2	2	0	0	2		-
	LRA 103	Fine Arts appreciation, drawing, and painting	2	2	0	0	2		-
	LRA xxx	UR elective 1	2	2	0	0	2		-
	BIO 121	Fundamental of life Science	2	2	0	0	2		2
	EPE 221	Measurements and Instrumentations	2	2	0	0	2	ECE 211 + EPE 222*	2
	EPE 222	Measurements and Instrumentations Lab	1	0	0	2	2	EPE 221*	-
	CSE 213	Numerical Analysis	3	2	1	2	5	MTH 121 + CSE 211*	3
	IME 221	Project Management	2	2	0	0	2		2
	ECE 221	Digital Logic Design	2	2	0	0	2	CSE 211 + ECE 211	2
	ECE 222	Digital Logic Design Lab	1	0	1	2	3	ECE 221*	-
	Total		**19**	**14**	**2**	**8**	**24**		
5	LRA xxx	UR elective 2	2	2	0	0	2		-
	CSE 311	Computer Organization	3	2	0	2	4	ECE 221	3
	CSE 312	Discrete Mathematics	3	2	2	0	4	MTH121	3
	CSE 313	Advanced Programming	2	2	0	0	2	CSE 211 + CSE 314*	2
	CSE 314	Advanced Programming Lab	1	0	1	2	3	CSE 313*	-
	ECE 314	Signals and Systems	2	2	0	0	2	MTH 121 + ECE 315*	2
	ECE 315	Signal and Systems Lab.	1	0	1	2	3	ECE 314*	-
	CSE 315	Seminar on CSE	2	2	0	0	2	CSE 312*	2
	CSE 317	Data Structures	3	2	2	0	4	CSE 312*	3
	Total		**19**	**12**	**6**	**10**	**28**		
6	LRA xxx	UR elective 3	2	2	0	0	2		-
	LRA 102	Introduction to Philosophy	2	2	0	0	2		-
	CSE 321	Project Based Learning on CSE	2	0	0	4	4	CSE 313	-
	CSE 322	Software Engineering	2	2	0	0	2	CSE 312 + CSE 313	2
	CSE 323	Software Engineering Lab	1	0	1	2	3	CSE 322*	-
	CSE 324	Embedded Systems	2	2	0	0	2	CSE 311	2
	CSE 325	Embedded Systems Lab	1	0	1	2	3	CSE 324*	-
	CSE 326	Analysis and Design of Algorithms	3	2	2	0	4	CSE 312+CSE 317	3
	CSE 328	Computer Networks	2	2	0	0	2	CSE 311	2
	CSE 329	Computer Networks lab	1	0	1	2	3	CSE 328*	-
	Total		**18**	**10**	**5**	**14**	**29**		
7	LRA xxx	UR elective 4	2	2	0	0	2		-
	CSE/ECE xxx	Elective 1	3	2	1	2	5		3
	CSE/ECE xxx	Elective 2	3	2	1	2	5		3
	CSE/ECE xxx	Elective 3	3	2	1	2	5		3
	CSE 411	Cryptography	3	2	2	0	4	MTH 211 + CSE 312	3
	CSE 412	Operating Systems	2	2	0	0	2	CSE 311 + CSE 413*	2
	CSE 413	Operating Systems lab	1	0	1	2	3	CSE 412*	-
	Total		**17**	**12**	**6**	**8**	**26**		
8	LRA 201	Introduction to Economics and Sustainable Development	2	2	0	0	2		-
	CSE 424	Parallel and Distributed Computing	2	2	0	0	2	CSE 311 + CSE 326	2
	CSE 425	Parallel and Distributed Computing lab	1	0	1	2	3	CSE 424*	-
	CSE 426	Theory of Computation	3	2	2	0	4	CSE 326 + CSE 312	3
	CSE/ECE xxx	Elective 4	3	2	1	2	5		3
	CSE/ECE xxx	Elective 5	3	2	1	2	5		3
	CSE 420	Graduation Project (1)	3	0	0	12	12		-
	Total		**17**	**10**	**5**	**18**	**33**		
9	CSE 500	Graduation Project (2)	7	0	0	28	28	CSE 420	-
	CSE 499	Industrial Training (2 Modules)	4	0	0	20	20		-
	Total		**11**	**0**	**0**	**48**	**48**		

Study Plan for EPE Program (Semester 4: Semester 9)

Semester	Course Code	Course	Credits	Lecture	Tutorial	Lab	Contact Hrs.	Pre/ Co-requisites	Exam. Duration
4	LRA 202	Peace studies	2	2	0	0	2		-
	LRA 103	Fine Arts appreciation, drawing, and painting	2	2	0	0	2		-
	LRA xxx	UR elective 1	2	2	0	0	2		-
	BIO 121	Fundamental of life Science	2	2	0	0	2		2
	EPE 221	Measurements and Instrumentations	2	2	0	0	2	ECE 211 + EPE 222*	2
	EPE 222	Measurements and Instrumentations Lab	1	0	0	2	2	EPE 221*	-
	CSE 213	Numerical Analysis	3	2	1	2	5	MTH 121 + CSE 211*	3
	IME 221	Project Management	2	2	0	0	2		2
	ECE 221	Digital Logic Design	2	2	0	0	2	CSE 211 + ECE 211	2
	ECE 222	Digital Logic Design Lab	1	0	1	2	3	ECE 221*	-
	Total		**19**	**14**	**2**	**8**	**24**		
5	LRA xxx	UR elective 2	2	2	0	0	2		-
	EPE 310	Seminar on EPE	2	2	0	0	2		-
	MTE 324	Automatic Control	2	2	0	0	2	MTH 121 + MTE 325*	2
	MTE 325	Automatic Control Lab	1	0	1	2	3	MTE 324*	-
	ECE 312	Electric Circuits	2	2	0	0	2	EPE 121 + ECE 313*	2
	ECE 313	Electric Circuits Lab	1	0	1	2	3	ECE 312*	-
	ECE 314	Signal and Systems	2	2	0	0	2	MTH 121 + ECE 315*	2
	ECE 315	Signal and Systems Lab	1	0	1	2	3	ECE 314*	-
	ECE 316	Engineering Mathematics	3	2	2	0	4	MTH 121	3
	ECE 328	Engineering Electromagnetics	2	2	0	0	2	ECE 316* + ECE 329*	2
	ECE 329	Engineering Electromagnetics Lab	1	0	1	2	3	ECE 328*	-
	Total		**19**	**12**	**6**	**12**	**30**		**-**
6	LRA xxx	UR elective 3	2	2	0	0	2		-
	LRA 102	Introduction to Philosophy	2	2	0	0	2		-
	EPE 320	Project Based Learning on EPE	2	0	0	4	4	EPE 121	-
	EPE 321	Power System Analysis (1)	2	2	0	0	2	ECE 312 + EPE 322*	2
	EPE 322	Power System Analysis (1) Lab	1	0	1	2	3	EPE321*	-
	EPE 323	Power Electronics (1)	2	2	0	0	2	ECE 312 + EPE 324*	2
	EPE 324	Power Electronics (1) Lab	1	0	1	2	3	EPE323*	-
	EPE 325	Electrical Machines (1)	2	2	0	0	2	ECE 328 + ECE326*	2
	EPE 326	Electrical Machines (1)Lab	1	0	1	2	3	ECE325*	-
	ECE 324	Digital Signal Processing	2	2	0	0	2	ECE 315 + ECE 325*	2
	ECE 325	Digital Signal Processing Lab	1	0	1	2	3	ECE 324*	-
	Total		**18**	**10**	**4**	**16**	**30**		
7	LRA xxx	UR elective 4	2	2	0	0	2		-
	EPE411	Electrical Machines (2)	2	2	0	0	2	EPE 325 + EPE 412*	2
	EPE 412	Electrical Machines (2)Lab	1	0	1	2	3	EPE 411*	-
	EPE 413	Power System Analysis (2)	2	2	0	0	2	EPE 321 + EPE 414*	2
	EPE 414	Power System Analysis (2) Lab	1	0	1	2	3	EPE 413*	-
	EPE 4xx	Elective 1	3	2	1	2	5		3
	EPE 4xx	Elective 2	3	2	1	2	5		3
	EPE 4xx	Elective 3	3	2	1	2	5		3
	Total		**17**	**12**	**5**	**10**	**27**		
8	LRA 201	Introduction to Economics and Sustainable Development	2	2	0	0	2		-
	EPE 421	Energy Conversion and Utilization	3	2	2	0	4	EPE 321	3
	EPE 422	Switch Gear and Protection Systems	2	2	0	0	2	EPE 321 + EPE 423*	2
	EPE 423	Switch Gear and Protection Systems Lab	1	0	1	2	3	EPE 422*	-
	EPE 4xx	Elective 4	3	2	1	2	5		3
	EPE 4xx	Elective 5	3	2	1	2	5		3
	EPE 420	Graduation Project (1)	3	0	0	12	12		
	Total		**17**	**10**	**5**	**18**	**33**		
9	EPE 500	Graduation Project (2)	7	0	0	28	28	EPE 420	
	EPE 499	Industrial Training (2 Modules)	4	0	0	20	20		
	Total		**11**	**0**	**0**	**48**	**48**		-

Study Plan for IME Program-IE Track (Semester 4: Semester 9)

Semester	Course Code	Course	Credits	Lecture	Tutorial	Lab	Contact Hrs.	Pre/ Co-requisites	Exam. Duration
4	LRA 202	Peace studies	2	2	0	0	2		-
	LRA 103	Fine Arts appreciation, drawing, and painting	2	2	0	0	2		-
	LRA xxx	UR Elective 1	2	2	0	0	2		-
	BIO 121	Fundamental of Life Science	2	2	0	0	2		2
	EPE 221	Measurements and Instrumentations	2	2	0	0	2	ECE 211 + EPE 222*	2
	EPE 222	Measurements and Instrumentations Lab	1	0	0	2	2	EPE 221*	-
	MTE 211	Theory of Machines	3	2	2	0	4	MCE 111	3
	IME 221	Project Management	2	2	0	0	2		2
	ERE 221	Thermo-Fluids	2	2	0	0	2	PHY 121	2
	ERE 222	Thermo-Fluids Lab	1	0	0	2	2	ERE 221*	-
	Total		**19**	**14**	**2**	**6**	**22**		
5	LRA xxx	UR elective 2	2	2	0	0	2		-
	IME 311	Seminar on IME	2	0	0	4	4		-
	IME 312	Operations Research (1)	3	2	0	2	4		3
	IME 313	Mechanical Design (1)	3	2	0	2	4	MCE 111 + IME 121	3
	IME 314	Conventional Machining Processes	3	2	2	0	4	IME 211 + IME 315*	3
	IME 315	Machining Workshop	3	0	0	6	6	IME 212 + IME 314*	-
	IME 316	Production and Operations Management	3	2	2	0	4		3
	Total		**19**	**8**	**4**	**18**	**30**		
6	LRA 102	Introduction to Philosophy	2	2	0	0	2		-
	LRA xxx	UR Elective 3	2	2	0	0	2		-
	IME 412	Management Information Systems	3	2	0	2	4	IME 316	3
	IME 321	Statistical Quality Control	3	2	2	0	4	MTH 211	3
	IME 322	Metrology and Precision Engineering	2	2	0	0	2	IME 323*	2
	IME 323	Precision Engineering Lab	1	0	0	2	2	IME 322*	-
	IME 325	Ergonomics and Human Factors Engineering	2	2	0	0	2	IME 326*	2
	IME 326	Ergonomics and Human Factor Lab	1	0	0	2	2	IME 325*	-
	IME 421	Supply Chain and Logistics Management	3	2	2	0	4	IME 316	3
	Total		**19**	**12**	**4**	**10**	**26**		
7	LRA xxx	UR Elective 3	2	2	0	0	2		-
	IME 320	Project Based Learning on IME	2	2	0	0	2		-
	IME 411	Facility Layout and Material Handling	3	2	2	0	4	IME 312	3
	IME 4xx	Elective 1	3	2	0	2	4		3
	IME 4xx	Elective 2	3	2	0	2	4		3
	IME 4xx	Elective 3	3	2	0	2	4		3
	Total		**16**	**12**	**2**	**6**	**20**		
8	LRA 201	Introduction to Economics and Sustainable Development	2	2	0	0	2		-
	IME 324	Mathematics (3)	3	2	2	0	4	MTH 121	3
	IME 423	Computer-Integrated Manufacturing (CIM)	3	2	0	2	4	IME 316	3
	IME 4xx	Elective 4	3	2	0	2	4		3
	IME 4xx	Elective 5	3	2	0	2	4		3
	IME 420	Graduation Project (1)	3	0	0	12	12		-
	Total		**17**	**10**	**2**	**18**	**30**		
9	IME 500	Graduation Project (2)	7	0	0	28	28	IME 420	-
	IME 499	Industrial Training (2 Modules)	4	0	0	20	20		-
	Total		**11**	**0**	**0**	**48**	**48**		-

Study Plan for IME Program-ME Track (Semester 4: Semester 9)

Semester	Course Code	Course	Credits	Lecture	Tutorial	Lab	Contact Hrs.	Pre/ Co-requisites	Exam. Duration
4	LRA 202	Peace Studies	2	2	0	0	2		-
	LRA 103	Fine Arts appreciation, drawing, and painting	2	2	0	0	2		-
	LRA xxx	UR Elective 1	2	2	0	0	2		-
	BIO 121	Fundamental of Life Science	2	2	0	0	2		2
	EPE 221	Measurements and Instrumentations	2	2	0	0	2	ECE 211 + EPE 222*	2
	EPE 222	Measurements and Instrumentations Lab	1	0	0	2	2	EPE 221*	1
	MTE 211	Theory of Machines	3	2	2	0	4	MCE 111	-
	IME 221	Project Management	2	2	0	0	2		2
	ERE 221	Thermo-Fluids	2	2	0	0	2	PHY 121 +	2
	ERE 222	Thermo-Fluids Lab	1	0	0	2	2	ERE 221*	1
	Total		**19**	**14**	**2**	**6**	**22**		
5	LRA xxx	UR elective 2	2	2	0	0	2		-
	IME 311	Seminar on IME	2	0	0	4	4		-
	IME 312	Operations Research (1)	3	2	0	2	4		3
	IME 313	Mechanical Design (1)	3	2	0	2	4	MCE 111 + IME 121	3
	IME 314	Conventional Machining Processes	3	2	2	0	4	IME 211 + IME 315*	3
	IME 315	Machining Workshop	3	0	0	6	6	IME 212 + IME 314*	-
	IME 316	Production and Operations Management	3	2	2	0	4		3
	Total		**19**	**8**	**4**	**18**	**30**		
6	LRA 102	Introduction to Philosophy	2	2	0	0	2		-
	LRA xxx	UR Elective 2	2	2	0	0	2		-
	IME 413	Non-Conventional Machining Processes	3	2	0	2	4	IME 314	3
	IME 321	Statistical Quality Control	3	2	2	0	4	MTH 211	3
	IME 322	Metrology and Precision Engineering	2	2	0	0	2	IME 323*	2
	IME 323	Precision Engineering Lab	1	0	0	2	2	IME 322*	-
	IME 327	Mechanical Design (2)	3	2	0	2	4	IME 313	3
	IME 328	Computer Numerical Control (CNC) of Machine Tools	2	2	0	0	2	IME 314 + IME 329*	3
	IME 329	CNC Laboratory	1	0	0	2	2	IME 315 + 'IME 328*	-
	Total		**19**	**12**	**2**	**12**	**26**		
7	LRA xxx	UR Elective 3	2	2	0	0	2		-
	IME 320	Project Based Learning on IME	2	2	0	0	2		-
	IME 414	Mechanical Vibrations	3	2	0	2	4	IME 327	3
	IME 4xx	Elective 1	3	2	0	2	4		3
	IME 4xx	Elective 2	3	2	0	2	4		3
	IME 4xx	Elective 3	3	2	0	2	4		3
	Total		**16**	**12**	**0**	**8**	**20**		
8	LRA 201	Introduction to Economics and Sustainable Development	2	2	0	0	2		-
	IME 422	Theories of Material Removal	3	2	2	0	4	IME 413	3
	IME 423	Computer-Integrated Manufacturing (CIM)	3	2	0	2	4	IME 316	3
	IME 4xx	Elective 4	3	2	0	2	4		3
	IME 4xx	Elective 5	3	2	0	2	4		3
	IME 420	Graduation Project (1)	3	0	0	12	12		-
	Total		**17**	**10**	**2**	**18**	**30**		
9	IME 500	Graduation Project (2)	7	0	0	28	28	IME 420	-
	IME 499	Industrial Training (2 Modules)	4	0	0	20	20		-
	Total		**11**	**0**	**0**	**48**	**48**		-

Study Plan for MIE Program (Semester 4:Semester 9)

Semester	Course Code	Course	Credits	Lecture	Tutorial	Lab	Contact Hrs.	Pre/ Co-requisites	Exam. Duratio
4	LRA 202	Peace studies	2	2	0	0	2		-
	LRA 103	Fine Arts appreciation, drawing, and painting	2	2	0	0	2		-
	LRA xxx	UR elective 1	2	2	0	0	2		-
	BIO 121	Fundamental of life Science	2	2	0	0	2		2
	EPE 221	Measurements and Instrumentations	2	2	0	0	2	ECE 211 + EPE 222*	2
	EPE 222	Measurements and Instrumentations Lab	1	0	0	2	2	EPE 221*	-
	CSE 213	Numerical Analysis	3	2	1	2	5	MTH 121 + CSE 211*	3
	IME 221	Project Management	2	2	0	0	2		2
	ECE 221	Digital Logic Design	2	2	0	0	2	CSE 211 + ECE 211	2
	ECE 222	Digital Logic Design Lab	1	0	1	2	3	ECE 221*	-
	Total		**19**	**14**	**2**	**8**	**24**		
5	LRA xxx	UR elective 2	2	2	0	0	2		-
	ECE 310	Microprocessors and Microcontrollers	2	2	0	0	2	ECE 221 + ECE 311*	2
	ECE 311	Microprocessors and Microcontrollers Lab	1	0	1	2	3	ECE 310*	-
	MIE 211	Human Biology	3	2	0	2	4	BIO 121	3
	MIE 312	Pathophysiology	2	2	0	0	2	BIO 121 + MIE 313*	2
	MIE 313	Pathophysiology Lab	1	0	0	2	2	MIE 312*	-
	ECE 314	Signal and Systems	2	2	0	0	2	MTH 121 + ECE 315*	2
	ECE 315	Signal and Systems Lab	1	0	1	2	3	ECE 314*	-
	MIE 314	Biomedical Electronics	3	3	1	0	4	ECE 211 + MIE 315*	3
	MIE 315	Biomedical Electronics Lab	1	0	0	2	2	MIE 314*	-
	Total		**18**	**11**	**3**	**14**	**28**		
6	LRA 102	Introduction to Philosophy	2	2	0	0	2		-
	LRA xxx	UR elective 3	2	2	0	0	2		-
	MIE 426	Project Based Learning on Biomedical and Bioinformatics Engineering	3	2	0	2	4	MIE 314	3
	MIE 320	Medical Instruments and Instrumentation	3	2	1	2	5	EPE 221	3
	MIE 322	Biomedical Signal Processing	3	2	1	2	5	ECE 314	3
	MIE 325	Bioinformatics (1)	2	2	1	0	3	MIE 312 + MIE 325*	2
	MIE 326	Bioinformatics (1) Lab	1	0	0	2	2	MIE 324*	-
	MIE 414	Data Structures & Algorithms	3	2	1	2	5	CSE 212	3
	Total		**19**	**12**	**4**	**14**	**30**		
7	LRA xxx	UR elective 4	2	2	0	0	2		-
	MIE 410	Medical Image Processing	3	2	1	2	5	MIE 322	3
	MIE 412	Computational Biology	3	2	1	2	5	MIE 324	3
	MIE/ECE xxx	Elective 1	3	2	1	2	5		3
	MIE/ECE xxx	Elective 2	3	2	1	2	5		3
	MIE/ECE xxx	Elective 3	3	2	1	2	5		3
	Total		**17**	**12**	**5**	**10**	**27**		
8	LRA 201	Introduction to Economics and Sustainable Development	2	2	0	0	2		-
	MIE 422	HealthCare Information Systems	3	2	1	2	5	MIE 414	3
	MTE 324	Automatic Control	2	2	0	0	2	MTH 121 + MTE 325*	2
	MTE 325	Automatic Control Lab	1	0	1	2	3	MTE 324*	-
	MIE/ECE xxx	Elective 4	3	2	1	2	5		3
	MIE/ECE xxx	Elective 5	3	2	1	2	5		3
	MIE 424	Graduation Project (1)	3	0	0	6	6	MIE 410	-
	Total		**17**	**10**	**4**	**14**	**28**		
9	MIE 428	Graduation Project (2)	7	0	0	14	14	MIE 424	-
	MIE 499	Industrial Training (2 Modules)	4	0	0	12	12	MIE 314	-
	Total		**11**	**0**	**0**	**26**	**26**		-

Study Plan for MTE Program (Semester 4: Semester 9)

Semester	Course Code	Course	Credits	Lecture	Tutorial	Lab	Contact Hrs.	Pre/ Co-requisites	Exam. Duration
4	LRA 202	Peace studies	2	2	0	0	2		-
	LRA 103	Fine Arts appreciation, drawing, and painting	2	2	0	0	2		-
	LRA xxx	UR elective 1	2	2	0	0	2		-
	BIO 121	Fundamental of life Science	2	2	0	0	2		2
	EPE 221	Measurements and Instrumentations	2	2	0	0	2	ECE 211 + EPE 222*	2
	EPE 222	Measurements and Instrumentations Lab	1	0	0	2	2	EPE 221*	-
	MTE 211	Theory of Machines	3	2	0	2	4	MCE 111	3
	IME 221	Project Management	2	2	0	0	2		2
	ERE 221	Thermo-Fluids	2	2	0	0	2	PHY 121	2
	ERE 222	Thermo-Fluids Lab	1	0	0	2	2	ERE 221*	-
	Total		**19**	**14**		**8**	**22**		
5	LRA xxx	UR elective 2	2	2	0	0	2		-
	MTE 311	Seminar on MTE	2	0	0	4	4		-
	MTE 312	Applied Numerical Analysis	3	2	2	0	4	MTH 121	3
	MTE 313	Strength of Materials	3	2	2	0	4	MSE 221 + MCE 111	3
	MTE 314	Mechanical Vibrations	2	2	0	0	2	MTE 211+ MTE 315*	2
	MTE 315	Mechanical Vibrations lab	1	0	0	2	2	MTE 314*	-
	ECE221	Digital Logic Design	2	2	0	0	2	CSE211+ECE211 + ECE 222*	2
	ECE222	Digital Logic Design Lab	1	0	0	2	2	ECE221*	-
	Total		**16**	**8**	**4**	**12**	**24**		
6	LRA 102	Introduction to Philosophy	2	2	0	0	2		-
	LRA xxx	UR elective 2	2	2	0	0	2		-
	MTE 321	Project Based Learning on MTE	2	0	0	4	4	MTE 322*	-
	MTE 322	Mechanical Design (1)	3	2	0	2	4	MTE 312+MTE 313	3
	MTE 323	Embedded Systems	3	2	1	2	5	CSE 211 + ECE 221	3
	MTE 324	Automatic Control (1)	2	2	0	0	2	MTH 121 + MTE 325*	2
	MTE 325	Automatic Control (1) Lab	1	0	1	2	3	MTE 324*	-
	ECE 322	Electronic Circuits	2	2	0	0	2	ECE 211	2
	ECE 323	Electronic Circuits Lab	1	0	0	2	2	ECE 322*	-
	Total		**18**	**10**	**2**	**16**	**28**		
7	LRA xxx	UR elective 3	2	2	0	0	2		-
	MTE 411	Introduction to Mechatronics	2	2	0	0	2	MTE 412*+MTE 211	2
	MTE 412	Mechatronics Lab	1	0	1	2	3	MTE 411*	-
	MTE 414	Robotics	2	2	0	0	2	MTE324 +MTE 415*	2
	MTE 415	Robotics Lab	1	0	1	2	3	MTE 414*	-
	MTE 413	Mechanical Design (2)	3	2	0	2	4	MTE 322	3
	MTE 4XX	Elective 1	3	2	1	2	5		3
	MTE 4XX	Elective 2	3	2	1	2	5		-
	MTE 4XX	Elective 3	3	2	1	2	5		3
	Total		**20**	**14**	**5**	**12**	**31**		
8	LRA 201	Introduction to Economics and Sustainable Development	2	2	0	0	2		-
	MTE 421	Mechatronics systems design	3	2	1	2	5	MTE 411	3
	MTE 422	Pneumatic and Hydraulic Systems	3	2	2	0	4	ERE 221	3
	MTE 4XX	Elective 4	3	2	1	2	5		3
	MTE 4XX	Elective 5	3	2	1	2	5		3
	MTE 420	Graduation Project (1)	3	0	0	12	12		-
	Total		**17**	**10**	**5**	**18**	**33**		
9	MTE 500	Graduation Project (2)	7	0	0	28	28	MTE 420	-
	MTE 599	Industrial Training (2 Modules)	4	0	0	20	20		-
	Total		**11**	**0**	**0**	**48**	**48**		-

Study Plan for MSE Program (Semester 4: Semester 9)

Semester	Course Code	Course	Credits	Lecture	Tutorial	Lab	Contact Hrs.	Pre/ Co-requisites	Exam. Duration
4	LRA 202	Peace studies	2	2	0	0	2		-
	LRA 103	Fine Arts appreciation, drawing, and painting	2	2	0	0	2		-
	LRA xxx	UR elective 1	2	2	0	0	2		-
	BIO 121	Fundamentals of life Science	2	2	0	0	2		2
	EPE 221	Measurements and Instrumentations	2	2	0	0	2	ECE 211 + EPE 222*	2
	EPE 222	Measurements and Instrumentations Lab	1	0	0	2	2	EPE 221*	-
	MTE 211	Theory of Machine	3	2	0	2	4	MCE 111	3
	IME 221	Project Management	2	2	0	0	2		2
	ERE 221	Thermo-Fluids	2	2	0	0	2	PHY 121	2
	ERE 222	Thermo-Fluids Lab	1	0	0	2	2	ERE 221*	-
	Total		**19**	**14**	**0**	**8**	**22**		
5	LRA xxx	UR elective 2	2	2	0	0	2		-
	MSE311	Structures and Properties of Materials	3	2	0	2	4	MSE 221	3
	MSE 312	Physics of Solid Materials	3	2	1	1	4	PHY121+PHY111	3
	MSE 313	Chemistry of Materials	3	2	1	1	4	CHM111	3
	MSE 314	Thermodynamics and Phase Transformations in Solids	3	2	1	1	4	MSE221	3
	MSE 315	Fundamental of Materials Processing	3	2	1	1	4	MSE221	3
	MSE 316	Project Based Learning on MSE	2	0	0	4	4		-
	Total		**19**	**10**	**4**	**14**	**28**		
6	LRA 102	Introduction to Philosophy	2	2	0	0	2		-
	LRA xxx	UR elective 2	2	2	0	0	2		-
	MSE 321	Seminar on MSE	2	2	0	0	2	MSE 221	-
	MSE 322	Mechanical Behavior for Materials	3	2	1	1	4	MCE111 + MSE315	3
	MSE 323	Mathematical Methods for Materials Computation	3	2	1	1	4	MTH211+MTH221	3
	MSE 324	Ceramic and glasses	3	2	1	1	4	MSE311	3
	MSE 325	Polymeric Engineering Materials	3	2	1	1	4	MSE315+MSE313	3
	Total		**18**	**12**	**4**	**8**	**24**		
7	LRA xxx	UR elective 3	2	2	0	0	2		-
	MSE 411	Electrochemistry and Corrosion	3	2	1	1	4	MSE313	3
	MSE 412	Structural Metallic Materials	3	2	1	1	4	MSE311	3
	MSE 41x	Elective 1	3	2	1	1	4		3
	MSE xxx	Elective 2	3	2	1	1	4		3
	MSE xxx	Elective 3	3	2	1	1	4		3
	Total		**17**	**12**	**5**	**5**	**22**		
8	LRA 201	Introduction to Economics and Sustainable Development	2	2	0	0	2		-
	MSE 421	Nanomaterials for Engineers	3	2	1	1	4	MSE221+MSE313	3
	MSE422	Materials Selection in Engineering Design and Failure analysis	3	2	-	2	4	MSE322+MSE412	3
	MSE4XX	Elective 4	3	2	1	1	4		3
	MSE4XX	Elective 5	3	2	1	1	4		3
	MSE 420	Graduation Project (1)	3	0	0	12	12		-
	Total		**17**	**10**	**3**	**17**	**30**		
9	MSE 500	Graduation Project (2)	7	0	0	28	28	MSE 420	-
	MSE 499	Industrial Training (2 Modules)	4	0	0	20	20		-
	Total		**11**	**0**	**0**	**48**	**48**		

Study Plan for CPE Program (Semester 4: Semester 9)

Semester	Course Code	Course	Credits	Lecture	Tutorial	Lab	Contact Hrs.	Pre/ Co-requisites	Exam. Duration
4	LRA 202	Peace studies	2	2	0	0	2		-
	LRA 103	Fine Arts appreciation, drawing, and painting	2	2	0	0	2		-
	LRA xxx	UR elective 1	2	2	0	0	2		-
	BIO 121	Fundamentals of life Science	2	2	0	0	2		2
	EPE 221	Measurements and Instrumentations	2	2	0	0	2	ECE 211 + EPE 222*	2
	EPE 222	Measurements and Instrumentations Lab	1	0	0	2	2	EPE 221*	-
	CPE213	Material and Energy Balance	3	2	2	0	4		3
	CPE 221	Fundamentals of Fluid Mechanics	2	2	0	1	3		2
	ERE 222	Thermo-Fluids Lab	1	2	0	0	2	CPE 223*	-
	CPE223	Thermodynamics.	2	0	0	2	2	ERE 222*	2
	Total		**19**	**14**	**2**	**7**	**23**		
5	LRA xxx	UR elective 2	2	2	0	0	2		-
	CPE 311	Seminar on CPE	2	2	0	0	2		-
	CPE 312	Fundamentals of Heat and Mass Transfer	3	2	2	0	4	CPE 213	3
	CPE 313	Chemical Process Technologies I(Organic.)	3	2	0	2	4		3
	CPE 314	Chemical Process Technologies II(Inorganic)	3	2	0	2	4		3
	CPE 315	Chemical Reaction Kinetics	3	2	2	0	4		3
	CPE 316	Corrosion and Electrochemical Eng.	3	2	2	0	4		3
	Total		**19**	**12**	**6**	**8**	**26**		
6	LRA 102	Introduction to Philosophy	2	2	0	0	2		-
	LRA xxx	UR elective 2	2	2	0	0	2		-
	CPE 321	Project Based Learning on CPE	2	0	0	4	4		-
	CPE 322	Chemical Process Technologies III (Gas and Petrochemicals)	3	2	0	2	4		3
	CPE 323	Separation Processes	3	2	0	2	4	CPE 312	3
	CPE 324	Chemical Process Modeling	3	2	2	0	4	CPE 213	3
	CPE 325	Mechanical unit Operation	3	2	2	0	4		3
	Total		**18**	**10**	**4**	**12**	**26**		
7	LRA xxx	UR elective 3	2	2	0	0	2		-
	CPE 411	Unit operations Laboratory	3	1	0	4	5	CPE 312	3
	CPE 412	Chemical Process control	3	2	2	0	4	CPE 213	3
	CPE xxx	Elective 1	3	2	2	0	4		3
	CPE xxx	Elective 2	3	2	2	0	4		3
	CPE xxx	Elective 3	3	2	2	0	4		3
	Total		**17**	**11**	**8**	**4**	**23**		
8	LRA 201	Introduction to Economics and Sustainable Development	2	2	0	0	2		-
	CPE 421	Clean Production and Sustainable Development	3	2	0	2	4	CPE313, CPE314	3
	CPE 422	Plant Design and Economics	3	2	0	2	4	CPE 323,	3
	CPE xxx	Elective 4	3	2	2	0	4		3
	CPE xxx	Elective 5	3	2	2	0	4		3
	CPE 420	Graduation Project (1)	3	0	0	12	12		-
	Total		**17**	**10**	**4**	**16**	**30**		
9	CPE 500	Graduation Project (2)	7	0	0	28	28	CPE 420	-
	CPE 499	Industrial Training (2 Modules)	4	0	0	20	20		-
	Total		**11**	**0**	**0**	**48**	**48**		-

Study Plan for ERE Program (Semester 4: Semester 9)

Semester	Course Code	Course	Credits	Lecture	Tutorial	Lab	Contact Hrs.	Pre/ Co-requisites	Exam. Duration
4	LRA 202	Peace studies	2	2	0	0	2		-
	LRA 103	Fine Arts appreciation, drawing, and painting	2	2	0	0	2		-
	LRA xxx	UR elective 1	2	2	0	0	2		-
	BIO 121	Fundamental of life Science	2	2	0	0	2		2
	EPE 221	Measurements and Instrumentations	2	2	0	0	2	ECE 211 + EPE 222*	2
	EPE 222	Measurements and Instrumentations Lab	1	0	0	2	2	EPE 221*	-
	ERE223	Engineering Mathematics	2	1	2	0	3	MTH 111, 121	2
	ERE 221	Thermo-Fluids	2	2	0	0	2	PHY 121	2
	ERE 222	Thermo-Fluids Lab	1	0	0	2	2	ERE 221*	-
	ERE213	Stress Analysis and Design	3	1	0	4	5	MCE111+IME121	3
	Total		**19**	**12**	**2**	**10**	**24**		
5	LRA xxx	UR elective 2	2	2	0	0	2		-
	ERE311	Project Based Learning on ERE	2	0	0	4	4	ERE 221	-
	ERE 312	Fluid Mechanics	3	2	2	0	4	ERE 221	3
	ERE 313	Thermodynamics	3	2	2	0	4	ERE 221	3
	ERE 315	Computational Methods for Engineers	1	0	0	3	3	CSE211+MTH121	2
	ERE 316	Theory of Machines and Vibrations	3	2	2	0	4	ERE 213+ERE 223	3
	ERE 317	Energy Conversion and Management	2	2	0	0	2		2
	ERE 318	Sustainable Energy	3	2	0	2	4	ERE 221	3
	Total		**19**	**10**	**6**	**13**	**29**		
6	MTE324	Automatic control (1)	2	2	0	0	2	MTH 121 + MTE 325*	2
	MTE325	Automatic control (1) Lab	1	0	1	2	3	MTE 324*	-
	LRA 102	Introduction to Philosophy	2	2	0	0	2		-
	LRA xxx	UR elective 3	2	2	0	0	2	LRA 412	-
	ERE321	Seminar on ERE	2	2	0	0	2		
	ERE 322	Combustion and Fuels	3	2	0	2	4	ERE 313	3
	ERE 323	Power Stations	3	2	2	0	4	ERE 313	3
	ERE 324	Heat and Mass Transfer	3	2	2	0	4	ERE 312	3
	Total		**18**	**12**	**5**	**8**	**25**		
7	LRA xxx	UR elective 4	2	2	0	0	2		-
	ERE 411	Refrigeration and Air conditioning	3	2	0	2	4	ERE 313, ERE 324	3
	ERE 412	Solar Energy	3	2	0	2	4	ERE 324	3
	ERE xxx	Elective 1	3	2	2	0	4		3
	ERE xxx	Elective 2	3	2	2	0	4		3
	ERE xxx	Elective 3	3	2	2	0	4		3
	Total		**17**	**12**	**6**	**4**	**22**		
8	LRA 201	Introduction to Economics and Sustainable Development	2	2	0	0	2		-
	ERE 420	Graduation Project (1)	3	0	0	12	12		-
	ERE 421	Energy Storage and Transmission	3	3	0	0	3	ERE 313, ERE 324	3
	ERE 422	Design of Thermal and Energy Systems	3	1	4	0	5	ERE 313, 324 and 412	3
	ERE xxx	Elective 4	3	2	2	0	4		3
	ERE xxx	Elective 5	3	2	2	0	4		3
	Total		**17**	**10**	**8**	**12**	**30**		
9	ERE 500	Graduation Project (2)	7	0	0	28	28	ERE 420	-
	ERE 499	Industrial Training (2 Modules)	4	0	0	20	20		-
	Total		**11**	**0**	**0**	**48**	**48**		-

Study Plan for ENV Program (Semester 4: Semester 9)

Semester	Course Code	Course	Credits	Lecture	Tutorial	Lab	Contact Hrs.	Pre/ Co-requisites	Exam. Duration
4	LRA 202	Peace studies	2	2	0	0	2		-
	LRA 103	Fine Arts appreciation, drawing, and painting	2	2	0	0	2		-
	LRA xxx	UR elective 1	2	2	0	0	2		-
	BIO 121	Fundamental of life Science	2	2	0	0	2		2
	EPE 221	Measurements and Instrumentations	2	2	0	0	2	ECE 211 + EPE 222*	2
	EPE 222	Measurements and Instrumentations Lab	1	0	0	2	2	EPE 221*	-
	CPE 213	Material and Energy Balance	3	2	2	0	4		3
	CPE 221	Fundamentals of Fluid Mechanics	2	2	0	1	3		2
	ERE 222	Thermo-Fluids Lab	1	2	0	0	2	CPE223*	-
	CPE 223	Thermodynamics	2	0	0	2	2	ERE 222*	2
	Total		**19**	**14**	**2**	**7**	**23**		
5	LRA xxx	UR elective 2	2	2	0	0	2		-
	ENV 311	Seminar on ENV	2	2	0	0	2		-
	ENV 312	Fundamentals of Environmental Engineering	3	2	2	0	4		3
	ENV 313	Global Environmental Engineering	3	2	0	2	4		3
	ENV 314	Water Quality and Analysis	3	2	0	2	4		3
	ENV 315	Environmental Hydraulics	3	2	2	0	4		3
	ENV 316	Municipal solid waste	3	2	2	0	4		3
	Total		**20**	**12**	**6**	**8**	**26**		
6	LRA 102	Introduction to Philosophy	2	2	0	0	2		-
	LRA xxx	UR elective 2	2	2	0	0	2		-
	ENV 321	Project Based Learning on ENV	2	0	0	4	4		-
	ENV 322	Air quality and pollution	3	2	0	2	4		3
	ENV 323	Urban Development and Environmental Planning	3	2	0	2	4		3
	ENV 324	Waste water treatment	3	2	2	0	4	CHM 111	3
	ENV 325	Desalination processes and systems	3	2	2	0	4		3
	Total		**19**	**10**	**4**	**12**	**26**		
7	LRA xxx	UR elective 3	2	2	0	0	2		-
	ENV 411	Ground water Engineering	3	1	0	4	5		3
	ENV 412	Sustainable design and technologies in buildings	3	2	2	0	4	ENV 321	3
	ENV 413	Elective 1 (treatment of hazardous waste)	3	2	2	0	4		3
	ENV 414	Elective 2 (Green economy)	3	2	2	0	4		3
	ENV 415	Elective 3 (Air pollution monitoring and control)	3	2	2	0	4	MTH 211	3
	ENV 416	Elective 4 (Health and Environmental impact of	3	2	2	0	4		3
	Total		**20**	**13**	**10**	**4**	**27**		
8	LRA 201	Introduction to Economics and Sustainable Development	2	2	0	0	2		-
	ENV 421	Clean production Technologies	3	2	0	2	4	ENV 324	3
	ENV 422	Environmental Impact Assessment and	3	2	0	2	4	ENV 314, ENV 322	3
	ENV 417	Elective 5 (Alternative and future Energies	3	2	2	0	4		3
	ENV 418	Elective 6 (Industrial safety and regulations)	3	2	2	0	4		3
	ENV 423	Elective 7 (Modelling of the built Environment)	3	2	2	0	4		3
	ENV 424	Elective 8 (Environmental statistics and	3	2	2	0	4	MTH 211	3
	Total		**20**	**14**	**8**	**4**	**26**		
9	ENV 500	Graduation Project (2)	7	0	0	28	28		-
	ENV 499	Industrial Training (2 Modules)	4	0	0	20	20		-
	Total		**11**	**0**	**0**	**48**	**48**		-

University Requirements (Liberal Arts) Core Courses

Each student has to take the following 10 core courses, each one with 2 credit hours, except for the Japanese language course (one credit hour). These courses are classified as follows:

Code	Course Name	Prerequisites	Cr Hrs.
LRA101	Japanese Culture	none	2
LRA102	Introduction to Philosophy	none	2
LRA103	Fine Arts Appreciation, Drawings and Paintings	none	2
LRA201	Introduction to Economics and Sustainable	none	2
LRA202	Peace studies	none	2
LRA301	Environments and Earth Science	none	2
LRA401	Japanese Language (1)	none	1
LRA402	Japanese Language (2)	LRA401	1
LRA405	Key skills seminar (1)	none	2
LRA406	Key skills seminar (2)	LRA405	2

Elective Courses of FoE Programs

1- University Requirements (Liberal Arts) Elective Courses

The student is free to select one course of two credit hours from each of the following four categories of A, B, C and D.

Code	Course Name	Prerequisites	Cr Hrs.
Arts and Humanities (UR Elective 1)			
LRA104	Music and Technology	none	2
LRA105	Theater and Drama	none	2
LRA106	Physical Education	none	2
LRA107	Selected topics in Japanese arts	none	2
LRA108	Art and Architecture of Ancient Egypt	none	2
LRA109	Introduction to Cultural Anthropology	none	2
LRA110	Modern Egyptian History	none	2
Social Sciences (UR Elective 2)			
LRA203	Entrepreneurship and Innovation	none	2
LRA204	Public Policy	none	2
LRA205	Egyptian Business Regulations	none	2
LRA206	Sociology of work	none	2
LRA207	African and Middle Eastern studies	none	2
Natural Sciences (UR Elective 3)			

LRA302	Introduction to Life Sciences	none	2
LRA303	Introduction to Environmental Biology	none	2
LRA304	Water and Politics in Africa and Middle East	none	2
LRA305	Astronomy and Space Science	none	2
LRA306	Natural Resources and Sustainability	none	2
Key Skills (UR Elective 4)			
LRA403	Japanese Language (3)	LRA402	1
LRA404	Japanese Language (4)	LRA403	1
LRA407	English Language	none	2
LRA408	Arabic Language	none	2
LRA409	Research Methods	none	2
LRA410	Fundamentals of Communication	none	2
LRA411	Transformational Leadership	none	2

2. Programs Requirements Elective Courses

In each program, students should select 5 Elective courses (Elective-1, Elective-2, Elective-3, Elective-4, and Elective-5) from the following list of each program.

Code	Course Title	Credit Hours	Pre- & Co-requisite
ECE Program Elective Courses:			
ECE 430	Radio Frequency Electronics	3	ECE 317 + ECE 322
ECE 431	CMOS Analog Integrated Circuits	3	ECE 317 + ECE 322
ECE 432	Digital VLSI Modeling and Design	3	ECE 310 or CSE 311
ECE 433	Digital Integrated Circuits	3	ECE 221 + ECE 322
ECE 434	Embedded Systems	3	ECE 310 or CSE 311
ECE 435	Fundamentals of Wireless Communications	3	ECE 413
ECE 436	Optical Communications Devices	3	ECE 317
ECE 437	Satellite Communications	3	ECE 413
ECE 438	Mobile Communication Systems	3	ECE 413
ECE 439	Data Communication Networks	3	ECE 326
ECE 440	Optical Communications Systems	3	ECE 436
ECE 441	Microwave Engineering	3	ECE 328 + ECE 411
ECE 442	Antenna Engineering and Remote Sensing	3	ECE 328 + ECE 411
ECE 443	Advanced Topics in Signal Processing	3	ECE 324
ECE 444	Digital Image Processing	3	ECE 324
EPE 323 & EPE 324	Power Electronics (1) & Power Electronics (1) Lab	3	ECE 312
MTE 430	Micro Electromechanical Systems (MEMS)	3	
MTE 434	Sensors & Actuators	3	EPE 221 + EPE 222
CSE Program Elective Courses:			
CSE 421	Advanced Computer Networks	3	

Code	Course Title	Credit Hours	Pre- & Co-requisite
CSE 422	Programming Languages and Compilers	3	
CSE 423	Computer Graphics and Visualization	3	
CSE 436	Advanced Embedded Systems	3	
CSE 437	Intelligent Systems	3	
ECE 432	Digital VLSI Modeling and Design	3	
ECE 324	Digital Signal Processing	2	
ECE 325	Digital Signal Processing Lab	1	
CSE 438	Human Computer Interaction	3	
CSE 427	Computer and Network Security	3	
CSE 428	Data Engineering	3	
CSE 429	Image Processing and Computer Vision	3	
CSE 431	Advanced Computer Architecture	3	
CSE 432	Robotics	3	
CSE 433	Emerging Topics in Computer Engineering	3	
CSE 434	Machine Learning	3	
CSE 435	Performance Evaluation	3	
EPE Program Elective Courses:			
EPE 424	High Voltage Engineering	3	EPE 321+ EPE 322
EPE 425	Power Electronics (2)	3	EPE 323+EPE324
EPE 426	Economic Operation of Power Systems	3	EPE 321+ EPE 322
EPE 427	Renewable Energy Systems	3	EPE 321+ EPE 322
EPE 428	Power Quality	3	EPE 321+ EPE 322
EPE 429	Distributed Control of Power Systems	3	MTE 324+ MTE 325
EPE 430	Power Transmission and Distribution	3	EPE 321+ EPE 322
EPE 431	Simulation and Design Power Electronics Systems	3	EPE 323 + EPE 324
IME (Industrial Engineering Track) Program Elective Courses:			
IME 431	Industrial Safety and Work Hygiene	**3**	**IME 111**
IME 432	Statistical Design and Analysis of Experiments	3	MTH 211
IME 433	Product Design and Development	3	
IME 441	Simulation Modeling and Analysis	3	MTH 211 + IME 312
IME 442	Operations Research (2)	3	IME 312
IME 443	Work Design and Analysis	3	IME 325 + IME 326
IME 444	Mathematics (4)	3	IME 324
IME 445	Advanced Project Management	3	IME 221
IME 451	Advanced Statistical Methods	3	MTH 211
IME 452	Inventory Management and Control	3	IME 316
IME 453	Accounting and Finance for Engineers	3	
IME 454	Strategic Management	3	
IME 455	Total Quality Management	3	
IME 456	Engineering Economic Analysis	3	
IME 457	Macro and Microeconomics	3	
IME 458	Marketing for Engineers	3	
IME 459	Systems Engineering	3	
IME (Manufacturing Engineering Track) Program Elective Courses:			
IME 431	Industrial Safety and Work Hygiene	3	IME 111
IME 432	Statistical Design and Analysis of Experiments	3	MTH 211
IME 433	Product Design and Development	3	

Code	Course Title	Credit Hours	Pre- & Co-requisite
IME 471	Materials Selection	3	IME 327
IME 472	Failure Analysis	3	IME 327
IME 473	Destructive and Non-Destructive Testing	3	
IME 474	Finite Elements Analysis	3	
IME 475	Reverse Engineering and Rapid Prototyping	3	IME 327
IME 481	Design of Jigs and Fixtures	3	
IME 482	Abrasive Machining	3	IME 422
IME 483	Machine Tool Dynamics	3	IME 414
IME 484	Noise Measurement and Control	3	IME 414
IME 485	Machine Condition Monitoring	3	IME 414
IME 491	Metallic Materials	3	MSE 221
IME 492	Non-Metallic Materials	3	MSE 221
IME 493	Casting Processes	3	IME 211 + MSE 221
IME 494	Bulk-Deformation Processes	3	IME 211
IME 495	Sheet-Metal-Forming Processes	3	IME 211
IME 496	Joining Processes	3	IME 211
IME 497	Plasticity	3	MSE 221
MTE Program Elective Courses:			
MTE 423	Automatic Control (2)	3	
MTE 424	Digital Control	3	
MTE 425	Industrial Process Control	3	
MTE 426	Programmable Logic Controllers	3	
MTE 427	Electro hydraulic and electro pneumatic servo systems	3	
MTE 428	Distributed Control Systems	3	
MTE 429	Intelligent Control	3	
MTE 430	Micro Electromechanical Systems (MEMS)	3	
MTE 431	Mobile Robots	3	
MTE 432	Selected Topics in Robotics	3	
MTE 433	Machine Vision	3	
MTE 434	Sensors & Actuators	3	
MTE 435	Electric Drives	3	
MTE 436	Product Design of Mechatronic Systems	3	
MTE 437	Introduction to Bio-Mechatronics	3	
MTE 438	Artificial Intelligence in Mechatronics and Robotics	3	
MTE 439	Frontiers of Space Engineering	3	
MSE Program Elective Courses:			
MSE 414	Organic Chemistry	3	
MSE 415	Materials Characterization	3	
MSE 416	Kinetics and Diffusion processes of Materials	3	
MSE 417	Introduction to composite materials	3	
MSE 418	Functionally graded Materials	3	
MSE 419	Science and Engineering of Nonferrous Materials	3	
MSE 423	Electronic Properties of Materials	3	
MSE 424	Biomaterials	3	
MSE 425	Electron Microscopy and Diffraction Theory	3	
MSE 426	Thin Film Technology	3	

Code	Course Title	Credit Hours	Pre- & Co-requisite
MSE 427	Smart Materials	3	
MSE 428	Materials for Energy Applications	3	
MSE 429	Magnetic Materials	3	
MSE 430	Semiconductor Materials	3	
MSE 431	Introduction of Advanced Materials	3	
MSE 432	Optical Properties of Materials	3	
MSE 433	Deformation and Fracture of Engineering Materials	3	
MSE 434	Fundamentals of Stress and Strain, and Deformation of Metals	3	
MSE 435	Intermolecular Force and Aggregation	3	
MSE 436	Continuum Mechanics	3	
MSE 437	Dielectric Materials Science	3	
MSE 438	Lattice Defects and Dislocation	3	
MSE 439	Advanced Physical Metallurgy	3	
MSE 440	Extractive metallurgy	3	
CPE Program Elective Courses:			
CPE423	Catalysis Engineering	3	
CPE424	Desalination Technologies	3	
CPE425	Design of Waste Treatment Units	3	
CPE426	Biofuel Engineering	3	
CPE427	Chemical Engineering Computer Skills	3	
CPE428	Renewable Energy Resources and Engineering	3	
CPE429	Fuel Cell Engineering	3	
CPE430	Surface Analysis	3	
CPE431	Biochemical Engineering and Biotechnology	3	
CPE432	Process Optimization	3	
CPE433	Air Pollution Control	3	
CPE434	Chemical Process Safety	3	
CPE435	Introduction to Nanotechnology	3	
CPE436	Biochemicals and food Industry	3	
CPE437	Chemical Engineering Materials	3	
CPE438	Unit operations in Pharmaceutical Industry	3	
CPE439	Seminar in chemical Engineering (II)	3	
CPE440	Petroleum Engineering	3	
CPE441	Polymers Engineering	3	
ERE Program Elective Courses:			
ERE 413	Hydraulic Machines and Hydraulic Stations	3	
ERE 414	Desalination Technology	3	
ERE 415	Energy Systems and Power Plants and Economics	3	
ERE 416	Computational Fluid Dynamics (CFD)	3	
ERE 417	Safety Codes and Environmental Laws	3	
ERE 418	Project Management	3	
ERE 419	Basics of Electrical Power and Smart Grid	3	
ERE 423	Energy Systems	3	
ERE 424	Energy Efficient Buildings	3	
ERE 425	Energy Economics	3	
ERE 426	Nuclear Power Plants	3	

Code	Course Title	Credit Hours	Pre- & Co-requisite
ERE 427	Gas Turbines	3	
ERE 428	Diesel Engines	3	
ERE 429	Electric Power and Machines	3	
ERE 430	Turbines and Compressors	3	
ERE 431	Thermal Hydraulic Power Plants	3	
ERE 432	Heat Exchangers	3	
ERE 433	Statistical Analysis	3	
ERE 434	Energy Resources Engineering	3	
ERE 435	Basics of Renewable Energy	3	
ENV Program Elective Courses:			
ENV 425	Elective 9 (Sustainable materials in buildings)	3	
ENV 426	Elective 10 (Cities and climate change)	3	
ENV 427	Elective 11 (Water and Energy conservation (in different sectors; Environmental Impact)	3	
ENV 428	Elective 12 (Ecological design of environmental systems)	3	
ENV 420	Graduation Project (1)	3	
ENV42x	Modelling of the built Environment	3	
ENV41x	Treatment of hazardous waste	3	
ENV42x	Environmental statistics and modeling	3	
ENV41x	Industrial safety and regulations	3	
ENV42x	Sustainable materials in buildings	3	
ENV42x	Cities and climate change	3	
ENV41x	Green economy	3	
ENV41x	Air pollution monitoring and control	3	
ENV42x	Ecological design of environmental systems	3	
ENV42x	Alternative and future Energies Applications (Renewable and Nuclear Energies)	3	
ENV42x	Health and Environmental impact of (Water-Energy Food Nexus)	3	
ENV42x	Water and Energy conservation (in different sectors; Environmental Impact)	3	
Biomedical Engineering Track Elective Courses			
MIE 316	Biomedical Sensors and Actuators	3	
MIE 430	Seminar on Biomedical Engineering	3	
MIE 328	Fundamentals of Electromagnetics	3	
MIE 421	Digital Communications	3	
MIE 420	Medical Imaging	3	
ECE 433	Digital Integrated Circuits	3	
ECE 434	Embedded Systems	3	
ECE 438	Mobile Communication Systems	3	
ECE 439	Data Communication Networks MIE 4213	3	
MIE 423	Computer Graphics and Visualization	3	
MIE 437	Artificial Intelligence	3	
Bioinformatics Engineering Track Elective Courses			
MIE 310	Safety & Security of Health Information System IEM 111 2	2	
ECE 439	Data Communication Networks MIE 421 3	3	
MIE 450	Seminar on Bioinformatics Engineering MIE 324 3	3	

Code	Course Title	Credit Hours	Pre- & Co-requisite
MIE 452	Pattern Recognition & Decision Making MIE 324 3	3	
MIE 454	Big data management MIE 422 3	3	
MIE 456	Management and Design of Health Care Systems MIE 422 3	3	
MIE 458	Algorithms in Bioinformatics MIE 324 3	3	
MIE 460	Telemedicine MIE 422 3	3	
MIE 462	Genomic Bioinformatics MIE 324 3	3	
MIE 464	Computational Biology Techniques MIE 412 3	3	
MIE 466	Database Systems MIE 414 3	3	
MIE 468	Scripting Languages in Bioinformatics CSE211+ MIE324 3	3	

EJUST Code of Ethics

Students are responsible for maintaining an academic environment in which they act honestly with peers, the faculty, and staff at E-JUST to inspire relationships of trust, fairness, and respect.

A student must not engage in any dishonest behavior or behavior that would produce deleterious consequences for others.

Therefore, students must abide with the following regulations to avoid punishment that may reach to dismissal from the university Like:

1. Smoking Producing or drinking alcoholic beverages is not permitted on campus. Smoking is not permitted in E-JUST buildings including private residences
2. The existence of some profanity and disrespectful words of some students while practicing sports activities.
3. Dress Code:

E-JUST recognizes cultural diversity and respects the requirements needed for a productive learning environment. Students are expected to dress in a manner respectful of the local culture and traditions in Egypt. Inappropriate dress for both males and females is unacceptable as follow:

- عدم ارتداء البنطلون المقطع (ذكور واناث) - عدم ارتداء الذكور للسلسلة والأنسيال			
- عدم ارتداء النقاب			
- عدم تغطية الشعر باي كاب للذكور			
- عدم اطالة الشعر بشكل ملفت (ذكور)			
- عدم ارتداء الشورت او البرمودا			 Shorts
- عدم ارتداء (سليبر)			 Flip-Flops
- عدم ارتداء جيب قصير أوبلوزة قصيرة مع بنطلون ضيق - عدم ارتداء بنطلون جينز (أكاديميين و موظفين)			 Tight Pants
- عدم ارتداء بيجامة او ترنج او جلباب البيت			
- عدم ارتداء البلوزات الكت والحمالات والملابس الشفافة		 Sleeveless	 Tight and See-Through Clothes