



The Bylaws of Undergraduate Programs

Faculty of Engineering, Ain Shams University



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Article (20): Field Training

- The student must perform Field Training for 12 weeks in an industrial or service facility related to the student's program and must be under the full supervision of the faculty. It is also possible to perform the training inside the faculty in a similar environment.
- The training follow-up will be handled by the academic advisor assigned by the Program Steering Committee.
- Identifying a company official contact person.
- The student must submit a technical report to his academic advisor at the end of the training period.
- The company should submit a student's training evaluation form to the academic advisor at the end of the training period.
- The training is divided into periods of 4 weeks at the end of the first, second, and third levels. (Can be in the fourth level as well – open during the semester)
- Training for a period 6 weeks is allowed for only one time during the study duration.
- The field training is evaluated on pass / fail basis and does not count in the cumulative GPA calculation.
- The student should pay the supervision fees for the field training at a rate of 2 Credit Hours, if applicable, each academic year during which he is performing Field Training.

Article (21): Adding and Dropping a course

- The student may add courses in the first week of the main semesters, or the first three days of the summer semester.
- The student can drop courses with refundable fees, if applicable, until the end of the second week of the main semesters or the end of the first week of the summer semester.
- Adding or Dropping course(s) should not violate the minimum and maximum number of Credit Hours registered per semester.

Article (22): Withdrawal from a course

- The student may withdraw from any course within the first ten weeks of the main semesters or the first five weeks for the Summer semester.
- The student does not fail the withdrawn course, provided that the withdrawal application and approval are finalized within the time limit mentioned in the previous point.
- The student gets a (W) grade for the withdrawn course and is allowed to register that course (full attendance and performing all activities including examinations) in a following semester.
- For elective courses, the student is allowed to change it in a following semester if he fails to pass it or withdraws from it. This is subject to the approval of the academic advisor and the requirements of his program.
- For non-scholarship students, the tuition fees for this course will not be refunded for withdrawn courses. The next time the student registers this course, he will have to pay its fees in full. The student, who withdraws from a whole semester without registering any course must pay the minimum tuition fees which is equivalent to 12 CH.
- For scholarship students, the Credit Hours of the withdrawn course are deducted from his scholarship. The student will be allowed to register this course one more time for free.

Table 11 List of Faculty requirements courses.

Code	Course Title	Credits and SWL			Contact Hours			
		CH	ECTS	SWL	Lec	Tut	Lab	TT
PHM011	Basic Mathematics	0	4	100	2	2	0	4
ENG111	Field Training	0	12	300	0	10	15	25
PHM012	Mathematics (1)	3	5	125	3	2	0	5
PHM013	Mathematics (2)	3	5	125	3	2	0	5
PHM021	Vibration and Waves	3	5	125	3	1	1	5
PHM022	Electricity and Magnetism	3	5	125	3	1	1	5
PHM031	Statics	3	5	125	2	2	1	5
PHM032	Dynamics	3	5	125	2	2	1	5
PHM041	Engineering Chemistry	3	5	125	2	1	2	5
PHM111	Probability and Statistics	2	4	100	2	2	0	4
MDP081	Production Engineering	3	5	125	2	0	3	5
MDP011	Engineering Drawing	3	6	150	1	3	2	6
CEP011	Projection and Engineering Graphics	3	6	150	1	3	2	6
CSE031	Computing in Engineering	2	4	100	2	0	0	2
ENG011	Fundamentals of Engineering	2	4	100	2	1	0	3
-	Structures and Properties of Materials Elective	2	4	100	2	1	1	4
-	Engineering Economy Elective	2	4	100	2	1	0	3
-	Project Management Elective	2	4	100	2	1	0	3
Total		42	76	1900	34	23	14	71
Pool of Structures and Properties of Materials Elective Courses								
MDP151	Structures and Properties of Materials	2	4	100	2	1	1	4
EPM211	Properties of Electrical Materials	2	4	100	2	1	1	4
CES151	Structures and Properties of Construction Materials	2	4	100	2	1	1	4
Pool of Engineering Economy Elective Courses								
MDP231	Engineering Economy	2	4	100	2	1	0	3
ARC471	Feasibility Studies	2	4	100	2	1	0	3
ARC463	Renewable Energy Systems and Economics	2	4	100	2	1	0	3
UPL271	Society and Housing Economics	2	4	100	2	1	0	3
UPL471	Urban Economics	2	4	100	2	1	0	3
EPM119	Engineering Economy and Investments	2	4	100	2	1	0	3
CEI261	Engineering Economics and Management	2	4	100	2	1	0	3
CES171	Engineering Economics and Finance	2	4	100	2	1	0	3
Pool of Project Management Elective Courses								
MDP232	Industrial Project Management	2	4	100	2	1	0	3
ARC371	Architecture Project Management	2	4	100	2	1	0	3
EPM411	Project Management for Electrical Engineering	2	4	100	2	1	0	3
CSE441	Software Project Management	2	4	100	2	1	0	3
CES271	Project Management Essentials in Construction	2	4	100	2	1	0	3

A placement test in Mathematics will be conducted for all admitted students except some High School Degrees which are determined by the Faculty Council. If the student passes this test, then he will be exempted from taking Basic Mathematics Course. The Basic Mathematics course is a pre-requisite for all Faculty requirements courses.

Discipline Requirements

According to the National Academic Reference Standards (NARS-2018), each discipline graduate (Mechanical – Architectural – Electrical – Civil), has to meet specific competences.