

Undergraduate Courses

CIVIL ENGINEERING DEPARTMENT

First Year Civil - First Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
4	STR 101A	Structural Analysis (1)	2	2	-	4	30	-	70	100	3

First Year Civil - Second Term

No.	COURSE		Weekly Hours				Grading System				Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam	Total	
				Theo.	Lab						
2	STR 101B	Structural Analysis (1)	2	2	-	4	30	-	70	100	3
3	STR 102	Strength and Technology of Materials (1)	4	2	-	6	50	-	100	150	3

Continued courses grades (Parts A and B) are added at the end of the academic year.

Second Year Civil – First Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
1	STR 201A	Structural Analysis and Mechanics (1)	2	2	-	4	30	-	70	100	3
2	STR 202	Strength and Technology of Materials (2)	4	2	-	6	50	-	100	150	3

Second Year Civil – Second Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
1	STR 201B	Structural Analysis and Mechanics (1)	2	2	-	4	30	-	70	100	3
2	STR 203	Reinforced Concrete (1)	3	2	-	5	40	-	85	125	3

Continued courses grades (Parts A and B) are added at the end of the academic year.

Third Year Civil – First Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
1	STR 301A	Structural Analysis and Mechanics (2)	2	2	-	4	30	-	70	100	3
2	STR 302A	Reinforced Concrete (2)	2	2	-	4	30	-	70	100	3
3	STR 303A	Metallic Structures (1)	2	2		4	30	-	70	100	3

Third Year Civil – Second Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
1	STR 301B	Structural Analysis and Mechanics (2)	2	2	-	4	30	-	70	100	3
2	STR 302B	Reinforced Concrete (2)	2	2	-	4	30	-	70	100	3
3	STR 303B	Metallic Structures (1)	2	2	-	4	30	-	70	100	3
6	3**	Elective (1)	2	2	-	4	30	-	70	100	3

** Refer to Elective Courses Table for Civil Engineering students.

Continued courses grades (Parts A and B) are added at the end of the academic year.

Fourth Year Civil – First Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
1	STR 401	Reinforced Concrete (3)	2	2	-	4	30	-	70	100	3

Fourth Year Civil – Second Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
1	STR 402	Quantity Surveying and Cost Control	2	2	-	4	30	-	70	100	3
2	STR 403	Metallic Bridges	2	2	-	4	30	-	70	100	3
5	4**	Elective (2)	2	2	-	4	30	-	70	100	3
6	4**	Elective (3)	2	2	-	4	30	-	70	100	3
7	CVE 480	Project*	-	2	-	2	50	100	-	150	-

* Four weeks are set for it after the end of the second term's final exams.

** Refer to Elective Courses Table for Civil Engineering students.

Civil Engineering List of the Elective Course Groups from (1) to (3)

Group	Code	Course Title
Elective Course (1)	STR 341	Advanced Technology of Construction Materials
	STR 342	Project Planning and Control
Elective Course (2)	STR 441	Computer-Aided Structural Analysis
	STR 442	Construction Methods
	STR 443	Special Reinforced Concrete Structures (1)
	STR 444	Metallic Bridges (2)
Elective Course (3)	STR 445	Inspection and Maintenance of Structures
	STR 446	Metallic Structures
	STR 447	Resource Management

ARCHITECTURAL ENGINEERING DEPARTMENT

First Year Architecture – First Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
6	STR 111-1	Theory of Structures	3	2	-	5	50	-	75	125	3

First Year Architecture – Second Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
6	STR 111-2	Properties & Strength of Materials	3	2	-	5	50	-	75	125	3

Second Year Architecture – First Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
7	STR 211A	Reinforced Concrete & Steel Structures	2	2	-	4	30	-	70	100	3

Second Year Architecture – Second Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
6*	CVE 211	Architectural Construction and Materials	2	2	-	4	60	-	80	200	4
7	STR 211B	Reinforced Concrete & Steel Structures	2	2	-	4	30	-	70	100	3

* Continuous course; year's work is summed up at the end of second term.

MECHANICAL ENGINEERING DEPARTMENT

First Year Mechanical – First Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
7	CVE 113	Civil Engineering	2	1	-	3	25	-	50	75	2

ELECTRICAL POWER AND MACHINES DEPARTMENT

First Year Electrical Power and Machines – First Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
5	CVE 118	Civil Engineering	4	2	-	6	50	-	100	150	3

MINING, PETROLEUM AND METALLURGICAL DEPARTMENT

First Year Mining, Petroleum and Metallurgical – First Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
4	STR 120	Theory of Structures	3	2	-	5	40	-	85	125	3

Second Year Mining – First Term

No.	COURSE		Weekly Hours				Grading System			Total	Final Exam (hrs)
	CODE	TITLE	Lec.	Exc.		Total	Term Work	Lab / Oral	Final Exam		
				Theo.	Lab						
5	STR 221	Structural Engineering	3	2	-	5	40	-	85	125	3