قســـــــم هندسة النفط
Petroleum Engineering Department

Courses Offered By the Department

I. General Courses (6 credit hours):

In addition to the Advanced Mathematics (GE 604) course, the student selectively can choose one of the other two general courses listed in the following table:

	Subject	**code**	**credits**
1	Advanced Mathematics	GE 604	**3**
2	Advanced Statistics.	GE606	**3**
3	Numerical Methods in Engineering	GE 609	**3**

II. Core Courses (19 credit hours):

The following table contains the compulsory M. Sc. Degree core courses the graduate student should take:

	Subject	**code**	**credits**
1	Advanced Reservoir Engineering	PE 610	3
2	Advanced Drilling Engineering	PE 620	3
3	Advanced Production Engineering	PE 630	3
	Advanced Gas Engineering Technology	PE 640	3
	M. Sc. Thesis Seminar	PE 698	1
	M. Sc. Thesis	PE 699	6

III. Elective Courses (12 credit hours):

Four of the following courses are chosen by the student and the Graduate Studies Coordinator to fulfill the requirements for the M. Sc. Degree in Petroleum Engineering. One of the elective courses should be related to the anticipated topic of the M. Sc. Thesis:

	Subject	**code**	**credits**
1	Oil Field Technology	PE 602	3
2	Advanced Formation Evaluation	PE 611	3
3	Advanced Transient Pressure Analysis	PE 617	3
4	Advanced Topics in EOR	PE 618	3
5	Reservoir Simulation	PE 619	3
6	Advanced Topics in Well Completion	PE 621	3
7	Horizontal Wells Technology	PE 622	3
8	Advanced Topics in Formation Damage	PE 623	3