
Class of 2017 - Term 7 - Spring 2016 Semester

Course	Complementary Studies	Instructor
8151	Technology,Sustainable Society & International Development (Distance)	Hurley, S

Course	Civil	Instructor
7704	Design of Steel Structures	Adluri S
7713	Hydrology and Water Resources	Daraio, J
7745	Highway Engineering	Dhar, A.
<u>Choose two electives from the following options:</u>		
6718	Environmental Geotechniques	Zhang H.
7706	Finite Element Analysis	Adluri S
7716	Hydrotechnical Engineering	Daraio, J
8671	Safety and Risk Engineering (Distance)	Khan F./TBA
8692	Drilling Engineering	Butt, S

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Computer

7804	Computer Engineering Design Project I	Czarnuch, S
7824	Introduction to Digital Signal Processing	Power, S
7894	Concurrent Programming	Shahidi, R
<u>Choose two electives from the following options:</u>		
7825	Control Systems II	Vardy A.
7854	Industrial Machine Vision	Dewage Don, A
7952	Robotics and Automation	Mann, G
8680	Process Control and Instrumentation	Iqbal T.
8863	Introduction to LSI Design/ASIC Design	Zhang L.
8879	Digital Communications	Karami, E

Prior to term 8, students are advised to consider completing as much as possible of:

[- complementary studies requirements](#)

[- free elective requirements](#)

(during either term 7 or the fall work term).

Electrical

7803	Electrical Engineering Design Project I	Liang, X
7824	Introduction to Digital Signal Processing	Power, S
<u>Choose three electives from the following options:</u>		
7825	Control Systems II	Vardy A.
7844	Power System Analysis	Jeyasurya, B.
7854	Industrial Machine Vision	Dewage Don, A
7856	Renewable Energy Systems	Iqbal T.
7952	Robotics and Automation	Mann, G
8680	Process Control and Instrumentation	Iqbal T.
8879	Digital Communications	Karami, E

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Mechanical

7926	Mechanical Project I	Rolland, L
7930	Instrumentation and Experimental Design	De Silva, O/Lye, L
7953	Mechatronics II	Mann, G.

In addition to the three required course listed above, all students must register for two Technical Stream Courses. The recommended courses are as follows:

Mechanics and Materials

7914	Industrial Materials	Shirokoff, J
7929	Mechanical Components Design II	Abedinilaksar, M
7934	Finite Element Analysis	Nakhla, S

Mechatronics

7929	Mechanical Components Design II	Abedinilaksar, M
7952	Robotics & Automation	Mann, G
7854	Industrial Machine Vision	Dewage Don, A

Petroleum Technical Stream

8691	Advanced Petroleum Production Engineering	Zendeboudi, S
8692	Drilling Engineering	Butt, S

Thermo Fluids

7901	Heat Transfer II	Pope K.
7903	Mechanical Equipment	Pope K.

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ONAE

7000	Ocean Systems Design	Walker D.
7007	Ocean Engineering Materials	Moro, L
7033	Marine Hydrodynamics	Peng H.
7035	Seakeeping and Maneuvering of ocean Vehicles	Peng H.
<u>Choose one elective from the following options:</u>		
7706	Finite Element Analysis	Adluri, S
7934	Finite Element Analysis	Nakhla, S
7003	Small Craft Design	Walker D.
8691	Advanced Petroleum Production Engineering	Zendeboudi, S
8692	Drilling Engineering	Butt, S
Or a technical Elective approved by the Department Head		

Process

7621	Process Dynamics and Control	Ahmed S.
7640	Process Engineering Project I	James L/TBA
8677	Process Plant Design and Economics	Fan, L

In addition to the three required course listed above, all students must register for two Technical Stream Courses. The recommended courses are as follows:

Petroleum Technical Stream

8692	Drilling Engineering	Butt, S
<u>Choose one electives from the following options:</u>		
8671	Safety and Risk Engineering (Distance)	KhanF/TBA
8691	Advanced Petroleum Production Engineering	Zendeboudi, S

Process Technical Stream

7623	Process Simulation	Zhang, Yahui
8671	Safety and Risk Engineering (Distance)	KhanF/TBA