

Graduate Course Listing – Winter Semester 2023

| | | |
|---------------------|--|---------------------|
| Engi 9081/ONAE 8108 | Human Factors & System Safety | D. Smith |
| Engi 9082 | Sp Top: Ocean Observation | H. Peng |
| Engi 9092/ME 8902 | Arctic Offshore Engineering | R. Taylor |
| Engi 9094/ONAE 8075 | Advanced Numerical Structural Analysis | B. Quinton |
| Engi 9096/ONAE 8074 | Adv. Design for Ocean & Ice Environments | C. Daley |
| Engi 9097 | Sp Top: Computational Methods In Marine Hydrodynamics | W. Qiu |
| Engi 9098 | Intro to Human Factors | B. Veitch |
| Engi. 910A | Oil & Gas Engineering Project Course | L. James |
| Engi 9100 | Engineering Graduate Seminar | M. Elhaj |
| Engi 9114/PROC 8291 | Advanced Reservoir Engineering | A. Aborig |
| Engi 9116/PROC 8170 | Reliability Engineering | M. Taleb Berrouane |
| Engi 9118/PROC 8292 | Drilling Engineering | S. Butt |
| Engi 915A | SRE Project Course | M. Taleb Berrouane |
| Engi 9120/PROC 8276 | Advanced Natural Gas Engineering | A. Aborig |
| Engi 9121 | Advanced Safety Risk & Reliability Modelling | J. Hashemi |
| Engi 9155 | Technical Writing | M. Picco |
| Engi 9155 | Technical Writing | V. Skanes |
| Engi 9496/ME 8305 | Modeling & Simulation of Dynamic Systems | J. Yang |
| Engi 9501 | Finite Element Analysis with Engineering Applications | S. Adluri |
| Engi 9516 | Similitude, Modelling & Data Analysis | M. Galagedarage Don |
| Engi 9550/ME 8604 | Fatigue and Fracture Mechanics | A. Elruby |
| Engi. 960A | Environmental Engineering Project I | B. Chen |
| Engi. 9605 | Water and Wastewater Treatment | Amir Ali Khan |
| Engi 9609 | Environmental Risk Assessment | F. Fahd |
| Engi 9622 | Environmental Statistics | A. Abdel-Razek |
| Engi 9625 | Environmental Impacts of Offshore Oil & Gas Operations | S. Bonnell |
| Engi 9628 | Environmental Laboratory | N. Saady |
| Engi 9630 | Pollution Prevention | Amir Ali Khan |
| Engi 9723 | Soil Properties & Behaviour | B. Hawlader |
| Engi 9790/CIV 8580 | Subsea Pipeline Engineering | H. Shiri |
| Engi 9797 | Climate Change and Water Resources Sustainability | A. Abdel-Razek |
| Engi 981A/B | Computer Engineering Project | C. Li |
| Engi 9805/ECE 8410 | Computer Vision | E. Karami |
| Engi 9816/ECE 8700 | Antenna Theory | A. Al-Habashneh |
| Engi 9818 | Computer Software Foundations | E. Karami |
| Engi 9819 | Computer Hardware Foundations | E. Karami |
| Engi 9821/ECE 8600 | Design of DSP Systems | C. Moloney |
| Engi 9826 | Advanced Control Systems | S. O'Young |
| Engi 9838 | Software Engineering Practice | T. Norvell |
| Engi 9854 | Fundamentals of Energy Systems | B. Nyantekyi-Kwakye |
| Engi. 9865 | Advanced Digital Systems | R. Shahidi |
| Engi. 9867 | Advanced Computer Concepts for Engineering | R. Shahidi |
| Engi 9875/ECE 8400 | Embedded and Real-time Systems Design | J. Anderson |
| Engi 9877/ECE 8420 | Cryptography | H. Heys |

December 16, 2022

| | | |
|--------------------|--------------------------------------|---------------------|
| Engi 9878/ECE 8620 | Wireless Communications | T. Wanasinghe |
| Engi 9896 | Renewable Energy Systems | T. Iqbal |
| Engi 9901/ME 8506 | Advanced Fluid Dynamics | M. Bhourri |
| Engi 9909 | Advanced Thermodynamics | M. Bhourri |
| Engi 990B | MESE Project | B. Nyantekyi-Kwakye |
| Engi 9977/ME 8504 | Computational Fluid Mechanics | B. Nyantekyi-Kwakye |
| Engi 9982/ME 8606 | Mechanical Behaviour of Composites | S. Nakhla |
| Engi 9987 | Interfacial & Phase Change Phenomena | X. Duan |

December 16, 2022