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| **Course** | **Time** | **Credits**  | **Faculty**  | **Location** | **Prerequisites**   |
| **ENVSE 406-Sampling and Monitoring of the Geo-Env** | MWF 9:05-9:55am | 3  | Randy Vander Wal  | 075 Willard Bldg. | MNPR 301 (concurrent ok); must be in ENVSE major or minor  |
| **ENVSE 408-Contaminant Hydrology** | TuTh 1:35-2:50pm  | 3  | Derek Elsworth  | 322 Nursing Sciences Bldg.  |  GEOSC 452  |
| **ENVSE 412-Env Systems Eng Lab 001** | TBD  | 1  | William Groves/Meng Wang  | APPT | MNPR 301 (concurrent ok); must be in ENVSE major |
| **ENVSE 412-Env Systems Eng Lab 004** | TBD  | 1 | William Groves  | APPT | MNPR 301 (concurrent ok); must be in ENVSE major |
| **ENVSE 457-Industrial Hygiene Measurements** | MWF 2:30-3:20pm   | 3  | William Groves   | 202 EEW Bldg. | CHEM 110 and ENVSE 450 |
| **ENVSE 470-Systems Safety and Risk Eng****001**  | MW 11:15-12:05pmF 11:15-12:05pm  | 3  | Jeremy Gernand  | 060 Willard Bldg.105 Ferguson Bldg.  | MATH 251 |
| **ENVSE 470-Systems Safety and Risk Eng****002** | MW 11:15-12:05pmF 11:15-12:05pm  | 3  | Jeremy Gernand  | 060 Willard Bldg.105 Ferguson Bldg.  | MATH 251 |
| **ENVSE 480-Env Syst Engr. Process Design** | TuTh 3:05-4:20pm  | 3  | Athanasios Karamalidis | 258 Willard Bldg. | ENVSE 427 and ENVSE 404 and seventh semester standing or higher in Environmental Systems Engineering (ENVSE\_BS) major |
| **EME 301- Thermodynamics** | MWF 12:20-1:10pm | 3 | Ljubisa Radovic | 008 Mueller Lab Bldg.  | CHEM 112, PHYS 112, MATH 250 or 251 |
| **EME 450 Energy Crisis Leadership** | Tu 6-9pm | 3 | Andy Kleit | 207 Ford Building  | 7th semester standing |
| **EME 460 Geo-resource evaluation** | MWF 11:15am-12:05pm | 3 | John Wang | 113 Carnegie Bldg.  | 5th semester standing or higher |
| **MN PR 301** | MWF 10:10-11am  | 3  | Barbara Arnold  | 350 HHD Bldg. | CHEM 110 or CHEM 106; MATH 141  |
| **MN PR 426** | MWF 4:40-5:30pm  | 3  | Kwadwo Osseo-Asare  | 107 Engineering Unit B Bldg.  | EME 301 |
| **GEOSC 452** | TuTh 10:35-11:50am | 3 | David Yoxtheimer | 101 Walker Bldg.  | [CHEM 112](https://bulletins.psu.edu/search/?P=CHEM%20112) ; GEOSC001, GEOSC020, or GEOSC071 ; [MATH 140](https://bulletins.psu.edu/search/?P=MATH%20140) or [MATH 110](https://bulletins.psu.edu/search/?P=MATH%20110) |