**National School for Water and Environmental Engineering (ENGEES),**

**1 Cour des Cigarières, 67000 Strasbourg**

**Room 205**

**Coordinator:**

Lauren Melendez

Email: Lauren.Melendez@usace.army.mil

Mobile: +1(601)863-6489

**Instructors:**

Todd Steissberg, Lead Developer, ERDC-EL

Todd.E.Steissberg@erdc.dren.mil

Lauren Melendez, ERDC-EL

|  |  |  |  |
| --- | --- | --- | --- |
| **Time** | | **Day 1: July 08** | |
| **Start** | **Stop** | **Module** | **Instructor** |
| 9:00 | 9:30 | 1.01 Lecture - Introduction and Overview | Lauren |
| 9:30 | 10:30 | 1.02 Lecture - Introduction to Modeling | Todd |
| 10:30 | 10:40 | -- BREAK -- | |
| 10:40 | 11:10 | 1.03 Lecture - Hydrodynamics Modeling | Todd |
| 11:10 | 11:40 | 1.04 Lecture - Water Temperature Modeling | Lauren |
| 11:40 | 13:00 | LUNCH | |
| 13:00 | 13:30 | 1.05 Lecture - Water Quality Modeling | Todd |
| 13:30 | 14:00 | 1.06 Lecture - Model Setup I | Lauren |
| 14:00 | 14:10 | -- BREAK -- | |
| 14:10 | 14:40 | 1.07 Workshop - Model Setup I | Lauren |
| 14:40 | 15:10 | 1.08 Lecture - Model Grid | Lauren |
| 15:10 | 15:20 | -- BREAK -- | |
| 15:20 | 15:50 | 1.09 Workshop - Model Grid | Lauren |
| 15:50 | 16:20 | 1.10 Lecture - Model Output | Todd |
| 16:20 | 17:00 | Questions and Discussion | All |

|  |  |  |  |
| --- | --- | --- | --- |
| **Time** | | **Day 2: July 09** | |
| **Start** | **Stop** | **Module** | **Instructor** |
| 9:00 | 9:30 | 2.01 Lecture - Model Setup II | Todd |
| 9:30 | 10:30 | 2.02 Workshop - Model Setup II | Todd |
| 10:30 | 10:40 | -- BREAK -- | |
| 10:40 | 11:10 | 2.03 Lecture - Water Temperature | Lauren |
| 11:10 | 11:40 | 2.04 Workshop - Water Temperature | Lauren |
| 11:40 | 13:00 | 2.05 Lecture - Dissolved Oxygen | Lauren |
| 13:00 | 13:30 | LUNCH | |
| 13:30 | 14:00 | 2.06 Workshop - Dissolved Oxygen | Lauren |
| 14:00 | 14:10 | 2.07 Lecture - Total Dissolved Gas | Todd |
| 14:10 | 14:40 | 2.08 Workshop - Total Dissolved Gas | Todd |
| 14:40 | 15:10 | -- BREAK -- | |
| 15:10 | 15:20 | 2.09 Lecture - Model Utilities | Todd |
| 15:20 | 15:50 | 2.10 Lecture - Calibration & Validation | Todd |
| 15:50 | 16:20 | 2.11 Workshop - Calibration & Validation | Lauren |
| 16:20 | 17:00 | Questions and Discussion | All |