**Location: Virtual or Hybrid (Davis, California), TBD**

**Coordinator:**

Todd Steissberg

Email: Todd.E.Steissberg@usace.army.mil

Mobile: +1-530-219-7990

**Instructors:**

Todd Steissberg (ERDC-EL)

Hailie Suk (ERDC-CRREL)

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

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| **Time (Pacific)** | | **Day 2: September 18** | |
| **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 | Todd |
| 11:10 | 11:40 | 2.04 Workshop - Water Temperature | Todd |
| 11:40 | 13:00 | LUNCH | |
| 13:00 | 13:30 | 2.05 Lecture - Dissolved Oxygen | Hailie |
| 13:30 | 14:00 | 2.06 Workshop - Dissolved Oxygen | Hailie |
| 14:00 | 14:20 | 2.07 Lecture – Harmful Algal Bloom Modeling | Todd |
| 14:20 | 14:50 | 2.08 Workshop – Harmful Algal Bloom Modeling | Todd |
| 14:50 | 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 | 16:30 | 2.11 Workshop - Calibration & Validation | Hailie |
| 16:30 | 17:00 | Questions and Discussion | All |