

## CAMEO® for Facility Hazard Analysis Class – Fall 2021

### Syllabus

#### Instructor Contact Information:

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#### Demonstration of CAMEO skills and operations taught in this course

#### At Enrollment

List of requirements for class (Let us know if you need assistance with any of these!):

- Administrative rights to your computer to add software or IT support to assist you
- Access to your jurisdiction's EPCRA Tier II data. Please let us know right away if you will need assistance in obtaining this dataset.
- Access to GIS data for your jurisdiction to build critical infrastructure layers in MARPLOT. We will guide you on what layers you might find helpful, but for now, find a GIS resource for your jurisdiction and establish that relationship!
- Adobe Reader to read PDF documents
- Microsoft Word and Excel or similar document and spreadsheet applications
- Access to Zoom with camera, microphone and screen-sharing capabilities.
- Access to Google Earth (Not essential but good to have)

**Live Event: Webinar #1** – Discuss CAMEO HA Class logistics, setup, Q&A

**10/28/21 1 hour**

#### **Lesson 1: Welcome, Software, Agenda Review**

Class lessons will be **Available 10/28/21**

**Agenda and curriculum review** – video, class logistics and instructions

- Download CAMEO- Installing the Software PDF
- Download Detailed Class Syllabus (this document)
- Download Lesson 1: Welcome, Software, Agenda PDF
- Download “Introduction to CAMEO Version 3-16-16”
- Upload Profile to Class

**Lesson 2: CAMEO Data Manager (DM)**– Review video then practice:

**Available 10/28/21**

- Import jurisdictional Tier II Facility file into CAMEO DM
- If needed, download sample T2S file from Instructor
- Review record for information submitted by the facility
  - IDs and Attachments
  - Contacts
  - Chemical inventory
  - Location

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- Responder Summary
- How to augment, revise Tier II data to increase value in planning
  - Attachments
  - Notes
  - Data validation and corrections
- Copy and Paste to Planning Document

**Live Event: Webinar #2** – Discuss Software Install & CAMEO Data Manager

**11/4/21 2 hours**

**Lesson 3: CAMEO Chemicals** – Review video then practice:

**Available 11/4/21**

- Explore connections between CAMEO DM and CAMEO Chemicals
- Review Datasheet and ERG information
  - Chemical identifiers; information resources
  - Response recommendations; Initial Isolation Distance; Downwind Protection Distance; Potentially Incompatible Absorbents
  - Chemical Properties
  - Regulatory Information
- Reactivity Analyses
- Copy and Paste information to Planning Document

**Lesson 4: MARPLOT Setup** – Review video then practice:

**Available 11/4/21**

- Link CAMEO DM Tier II records to MARPLOT; segregate into RMP, EHS, non-EHS
- Review locations for accuracy; corrections to location data
- Learn Basemap operations for Street Map, Aerial Map, Topo Map; learn operations to download Basemaps for offline access
- Import Critical Infrastructure, e.g., Address Points, Parcel, Hydrants, and other GIS files
- Layer operations to customize Symbol type, Bookmarks, Create New Layer, Create New Folder; organize imported data

**Live Event: Webinar #3** – Discuss CAMEO Chemicals and MARPLOT Setup

**11/11/21 2 hours**

**Lesson 5: USING MARPLOT** – Review video then practice:

**Available 11/11/21**

- Edit Tool operations to create user-drawn map objects; circles, points, polygons, polylines; marking Points, drawing Initial Isolation Zones, Downwind Protection Distances, Egress Points, Rally Points, Evacuation Routes, Reunification Points, etc.
- Search Tools and Population Estimates; identify at-risk populations, address points, critical facilities, resources, etc.
- Export information to spreadsheets
- Copy and paste MARPLOT screenshots to WORD documents

**Live Event: Webinar #4** – Discuss Using MARPLOT

**11/18/21 2 hours**

**Lesson 6: PRESERVING ALL HA INFORMATION** – Review video then practice:

**Available 11/18/21**

- Copy & paste into WORD
- Create and save photo and video files

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- Create and save spreadsheets
- Place into CAMEO DM Facility Attachments

**Lesson 7: SYSTEM MANAGEMENT**- Review video then practice:

**Available 11/18/21**

- Exporting CAMEO DM and MARPLOT linked files
- Exporting CAMEO DM and MARPLOT to Google Earth kmz files
- Exporting MARPLOT to shape files
- Copy and paste CAMEO Data and MARPLOT Data folders
- Saving CAMEO Chemicals MyChemicals list for specific facilities

**Live Event: Webinar #5** – Review Lessons 6 & 7, Wrap Up and Thank you!

**12/2/21 2 hours**

- Review of 10 CAMEO Skills/Operations taught in class
- Course Survey in Lesson 8 in online class platform – please take the survey!
- Requirements for Course Certificate:
  - Complete online lessons
  - Email sample planning document, showing skills learned, to Tom & Carol
  - Complete the post-class survey

**BONUS CONTENT: ALOHA for Planning**

**Available after Class Completion**

- Simple ALOHA Threat Zones for EPA-defined Worst-Case releases
- Alternative Threat Zones using Tank and Puddle sources
- Viewing Threat Zones on MARPLOT
- Evaluating Threat Zone area using MARPLOT Search Tools
- MARPLOT Move to New Layer operations for ALOHA Threat Zones
- Saving ALOHA files in .alo format