

Spring 2016

EES 79903, Phase II Environmental Site Assessment [30502]

C: T, 6:30-9:00 p.m., Rm., Marshak 107

Prof. Angelo Lampousis

EES 79903 – Phase II Environmental Site Assessments [30502]

The purpose of this course is to introduce students to good commercial and customary practices in the United States of America for conducting Phase II environmental site assessments (ESA). A Phase II ESA is an evaluation process for confirming and quantifying the presence of hazardous substances or petroleum products in environmental media (i.e., soil, rock, groundwater, surface water, air, soil gas, sediment) throughout a contaminated site. A Phase II ESA typically includes a determination through field screening and chemical testing of the geological, hydrogeological, hydrological, and engineered aspects of the site that influence the presence of hazardous substances or petroleum products (e.g., migration pathways, exposure points) and the existence of receptors and mechanisms of exposure. Students are automatically enrolled in the 40-hour OSHA HAZWOPER (Hazardous Waste Operations and Emergency Response Standard) certification program which applies to employees who are engaged in clean-up operations that are conducted at uncontrolled hazardous waste sites.

Prerequisites: Phase I environmental site assessments or permission by instructor. Non-matriculated students may register if they hold a current Professional Engineer's or Professional Geologist's license and have the equivalent of three (3) years of full-time relevant experience.

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IEEE publication: [Teaching Standards in Environmental Site Assessments\[ieee.org\]](#)

ASTM publication: [Teaching Professional Skills\[astm.org\]](#)