

EMA 6920
Section 01HE
Professional Development
Summer 2016

Course Description: Strategies and sound practices in proposal research, creation, and defense.

Prerequisite: Graduate status.

Course Objectives: To demonstrate the expectations for successful completion of (i) departmental teaching assistant assignment, and (ii) the Ph.D qualifying exam within the MSE department.

Contribution of course to meeting the professional component: This course provides 1 credit towards MSE degree requirements.

Meeting Time: Summer A, MW, period 4 (12:30-1:45)

Location: CSE E107

Instructor: Scott S. Perry, Rhines 206, 846-3333, ssp@ufl.edu

Course Topics

- Teaching Assistant Training
- Professional Ethics
- Proposal Examination
 - Identifying a research topic
 - Researching a research topic
 - Construction of a research proposal- overview and background
 - Construction of a research proposal- design of experiments
 - Construction of a research proposal- technical writing
 - Preparing a research presentation
 - Presenting a research presentation
 - Oral Examination Questioning
 - Defending a research proposal

Grading (S/U): Attendance: 10%
Written proposal: 30%
Research presentation: 30%
Oral defense: 20%
Examination questions: 10%
Final grades will be assigned according to the following scale: (S \geq 75%) (U<75%)

May 9	Orientation/Overview; choosing a research topic
May 11	Proposal subject (due)
May 16	Proposal abstracts (due)
May 18	Technical writing best practices
May 23	1 st draft written proposal (due)
May 25	Oral presentation best practices
May 30	No class (Memorial Day)
June 1	Oral examinations best practices
June 6	Teaching Assistant best practices; Written proposal (due)
June 8	1 st draft oral presentation (due)
June 13	Oral Presentations (all presentations due)
June 15	Oral Presentations