Civil Engineering and Engineering Mechanics

Seminar Announcement
Friday, October 24, 2014

CE 201
12:00pm – 1:00pm

Logistics of Writing a Manuscript
for the Scientific and Engineering Fields

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Abstract

Preview of Course Part A. Three essential items needed to be prepared before writing, making an outline, data visualization, parts of scientific paper, and paragraphs. The purpose of this seminar is to provide a preview of the one credit course CHEE510 designed to teach engineering students how to write a scientific manuscript. The course is primarily focused on preparing engineering students how to organize to write a scientific manuscript. The course will teach students how to organize data and their thoughts to prepare for a creating a manuscript. Students will be taught to select data, prepare the data for presentation, and develop a general and focused narrative for the manuscript. With the narrative selected, students will be taught to develop hypotheses. Students will learn to research the literature to find evidence to provide a theoretical framework for their manuscript and to provide supplemental support for the findings from the data that either support or reject the formulated hypotheses. The course will aide students in generating an overall outline and detailed outline within sections to structure their manuscript or oral talks. Lastly, the course will provide basic guidelines to help students with strategies in writing paragraphs and sentences used in technical writing. The overall goal of the course is to enable students to independently make a draft of a scientific manuscript or prepare a competitive scientific talk.