846. **Statewide Transportation Network Evaluation**  
*Spring of odd years. 3(3-0)*  
Transportation system measures, needs studies, sufficiency ratings. Cost allocation models, programing and budget constraints. Corridor analysis, transportation economics, demand elasticity.

847. **Simulation Models for Transportation Applications**  
*Fall of even years. 3(3-0)*  
Simulation models for analysis and optimization of transportation systems. Experimentation with planning and traffic simulation models for signal timing and capacity analysis.

849. **Transportation Research Methods**  
*Spring. 3(3-0)*  
Application and interpretation of quantitative methods and design of experiments for transportation research; ANOVA, non-parametric, discriminant analysis, factor analysis, multivariate regression, SPSS.

850. **Intelligent Transportation Systems (ITS)**  
*Fall of odd years. 3(3-0) RB: Traffic and transportation engineering*  
Technical and policy aspects emerging from the application of advanced technologies to transportation problems. Intelligent Transportation Systems (ITS) user services requirements, available and emerging technologies, case studies of ongoing operational tests, legal institutional and planning issues related to ITS development and deployment.

890. **Independent Study in Civil Engineering**  
*Fall, Spring, Summer. 1 to 4 credits.* A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to Civil Engineering master's students. Approval of department. Research problems of limited scope not pertaining to thesis accomplished under CE 999.

891. **Selected Topics in Civil Engineering**  
*Fall, Spring, Summer. 2 to 4 credits.* A student may earn a maximum of 9 credits in all enrollments for this course. Selected topics in new or developing areas of civil engineering.

892. **Master's Research Project**  
*Fall, Spring, Summer. 1 to 3 credits.* R: Open only to master's students in the Civil Engineering major. Approval of department. Master's degree Plan B individual student research project. Original research, research replication, or survey and reporting on a research topic.

893. **Master's Design Project**  
*Fall, Spring, Summer. 3 to 5 credits.* R: Open only to master's students in the Civil Engineering major. Approval of department. Master's degree Plan B individual student civil engineering design project.

899. **Master's Thesis Research**  
*Fall, Spring, Summer. 1 to 8 credits.* A student may earn a maximum of 24 credits in all enrollments for this course.

990. **Independent Study in Civil Engineering**  
*Fall, Spring, Summer. 1 to 4 credits.* A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to Civil Engineering doctoral students. Research problems of limited scope not pertaining to thesis accomplished under CE 999.

999. **Doctoral Dissertation Research**  
*Fall, Spring, Summer. 1 to 24 credits.* A student may earn a maximum of 72 credits in all enrollments for this course.

### CLASSICAL STUDIES CLA

#### Department of Romance and Classical Languages  
**College of Arts and Letters**

120. **Latin and Greek Roots of English Words**  
*Spring of even years. 3(3-0)*  
Prefixes, suffixes, and roots of English vocabulary from Greek and Latin word elements.

140. **Greek and Roman Mythology**  
*Fall. 3(3-0)*  
Introduction to Greek and Roman myths, with emphasis on myth as social discourse and as an influence on ancient poets and thinkers.

210. **Greek Civilization**  
*Fall. 3(3-0)*  
General survey of salient aspects of ancient Greek civilization and modern approaches to its study.

211. **Roman Civilization**  
*Spring. 3(3-0)*  
Ancient Roman civilizations and modern approaches to their study. SA: CLA 310

292. **Introduction to Ancient Studies**  
*Fall. 2(1-2) Interdepartmental with Arts and Letters; History of Art; and History. Administered by Arts and Letters.*  
Methods and current trends in the study of the Greek and Roman world. Visits to library and museum collections.

350. **Greek and Roman Literature in English Translation**  
*Fall of even years. 3(3-0) R: Not open to freshmen.* Representative works of major Greek and Roman authors.

360. **Ancient Novel in English Translation**  
*Spring of odd years. 3(3-0) R: Not open to freshmen.* Translation of the ancient Greek and Roman novel. Interpretation of assigned novels. The role of popular literature in Greco-Roman society.

400. **Women in Classical Greek Society**  
*Spring of odd years. 3(3-0) Interdepartmental with Women's Studies. R: Not open to freshmen and sophomores.* Image, role, and status of women in Greek society as seen through literary sources.

### COMMUNICATION COM

#### Department of Communication  
**College of Communication Arts and Sciences**

100. **Human Communication Inquiry**  
*Fall, Spring, Summer. 3(3-0)*  
Process and functions of communication. Principles underlying communication behavior. Practice in analyzing communication situations and in speaking and writing.

200. **Methods of Communication Inquiry**  
*Fall, Spring, Summer. 3(3-0)*  
Process and functions of communication. Principles underlying communication behavior. Practice in analyzing communication situations and in speaking and writing.

225. **An Introduction to Interpersonal Communication**  
*Fall, Spring, Summer. 3(3-0)*  
Principles and practices of interpersonal communication. Emphasis on effective and responsible interpersonal communication.

240. **Introduction to Organizational Communication**  
*Fall, Spring, Summer. 4(4-0)*  
Theories, systems, structures, and processes of organizational communication. Organizational cultures. Communication in multinational organizations and in individual, leadership, supervisory-subordinate and small group situations.

275. **Effects of Mass Communication**  
*Fall, Spring, Summer. 3(3-0) Interdepartmental with Telecommunication. Administered by Telecommunication. R: Not open to freshmen.* Major social effects of mass media on audience behavior. Political communication. Media effects on children. Message strategies producing attitude change. Interrelationships between mass media and interpersonal communication.

315. **Information Gathering and Interviewing Theories**  
*Fall of odd years. 3(3-0) R: Open only to juniors or seniors.* Information gathering as a relational process. Interaction through the asking and answering of questions.