Syllabus for (11:370:314)

FORENSIC ENTOMOLOGY
(3.0 credits)

Instructor: Chloe Hawkings (c.hawkings@rutgers.edu)
Semester, Period & Format: Spring; M, W (9:15 – 10:35 am) Lecture/Lab
Location: Blake Hall 101
Pre-requisites: 11:370:202 or 11:370:381 (suggested)
Text: No Text is required for this course. Recommended text: Forensic Entomology: The Utility of Arthropods in Legal Investigations by Jason H. Byrd & James L. Castner

Lecture Title
January 19: Course Outline & Introduction to Forensic Entomology
January 21: History of Forensic Entomology
January 25: Insect Anatomy & Taxonomy
January 28: Insect Diversity: Forensically Relevant Insects
February 1: Insect Diversity: Forensically Relevant Diptera
February 4: Exam 1
February 8: Chemical Attraction & Communication
February 11: Reproductive Strategies of Necrophagous Insects
February 15: Biology of Maggots & Temperature Tolerances of Necrophagous Flies
February 18: Insect Succession & Postmortem Decomposition
February 22: Exam 2
February 25: Factors that Affect Insect Succession & Entomotoxicology
March 1: Estimating Postmortem Interval
March 4: Forensically Important Aquatic insects; Postmortem Submergence Interval
March 8: Molecular Methods for Forensic Entomology
March 11: Legal Case Report Meetings
March 15: Spring Break *no class*
March 18: Spring Break *no class*
March 22: Exam 3
March 25: Urban & Stored Product Entomology
March 29: Necrophagous and Parasitic Indicators of Neglect and Abuse
April 1: Livestock & Veterinary Entomology
April 5: Insects as Weapons and Threats to National Security
April 8: Forensic Entomology and the Law
April 12: Exam 4
April 15: Cross-Examination Meeting
April 19: Cross-Examination Meeting
April 22: Mock Trial 2
April 26: Mock Trial 3
April 29: Mock Trial 4
May 3: Class End