RUTGERS Department of Entomology

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	