A course syllabus is not the same as a course outline. A course syllabus outlines the general requirements for a course. A course outline is the specific document created by the individual faculty member to distribute to a specific course section. This is an “abbreviated” course syllabus because it is only collecting information on the course number, title, description, and learning outcomes. Please submit this completed form electronically to Dean Britton.

PLEASE NOTE: Any changes made to the Course Number, Title, or Catalog Description must go through the regular faculty governance process. This Expedited Process of Approval, which expires in March 2012, only pertains to approval of the Learning Outcomes. Therefore, this is NOT the form to be used to change course numbers, titles, or descriptions. This is NOT the form to use for proposing a new course. (See the Governance website for those types of proposals.)

I. Course Number and Title:
CHE251, Organic Chemistry II

II. Catalog Description:

Two-semester sequence presenting theory, nomenclature, preparation, fundamental reactions, and reaction mechanisms of both aliphatic and aromatic compounds, including behavior of the major functional groups. Both chemical and instrumental methods of organic analysis, including separation and structure elucidation techniques, are developed. Basic laboratory techniques are taught and representative compounds are prepared. Some products prepared in the laboratory are characterized utilizing chromatographic and instrumental techniques. (5 credit hours)

The course involves 3 hours of lecture, 1 hour of recitation, and 4 hours of laboratory per week. It fulfills the SUNY General Education Requirement for Natural Sciences. Prerequisite: CHE250 (Organic Chemistry I) or permission of instructor.

III. Learning Outcomes:
This course is intended for students whose emphasis is science, engineering, medicine, dentistry, or chiropractic.

The successful student will demonstrate proficiency in:

- Naming by the IUPAC system aldehydes, ketones, organometallic compounds, carboxylic acids and their derivatives, dienes, aromatic compounds, and amines.
- Describing the physical and chemical properties of the compounds listed above, including their methods of preparation and their reactions, with an emphasis on fundamental reaction mechanisms and stereochemistry.
- Designing synthetic strategies for organic molecules using retrosynthetic analysis.
- Interpreting nuclear magnetic resonance and mass spectra.
- Performing basic laboratory operations such as distillation, crystallization, extraction, melting point determination, and infrared spectroscopy.
- Synthesizing simple organic molecules in the laboratory and identifying unknown compounds.
- Maintaining a current and well-written laboratory notebook.

*These statements must appear verbatim in course outlines. However, additional outcomes may be added to individual course outlines at the instructor’s discretion.
Revised 1/10
Name of Discipline Lead: Jing-Yi Chin
Discipline Vote:
For _________ Against _________ Abstention _________
Date of Vote: __________
_(Initial and Date)_________ Certification of Vote by AVP of Academic Affairs
_(Initial and Date)_________ Certification of Vote by College Curriculum Chair

*These statements must appear verbatim in course outlines. However, additional outcomes may be added to individual course outlines at the instructor’s discretion.
Revised 1/10