Chemistry 3110 Syllabus Fall 2019

Organic Chemistry Lab II
Class Time and Location: Tuesday and Thursday 12:00 PM -4:45 p.m.
Location: Petit Science Center 362
Instructor: David Connors dconnors@gsu.edu
Office: 202 Courtland North
Office Hours Wednesday 10:00 AM-1:00 PM, F 9-11 AM, or by appointment.

Please send emails with your GSU email and put the course title in the subject line.

Text and Materials
GSU Chemistry 3110 Lab Manual (provided the first lab period)
Hard bound lab notebook
Safety glasses or goggles

Optional References
Introduction to Spectroscopy by Pavia, Lampman and Kriz

Grading

Final Exam	100 pts
Final Report	100 pts
Homework/Notebook*/Quality of class performance (Quizzes, Preparation,etc.)	100 pts
Total	**300 pts**

*Notebook must be submitted to receive a passing grade
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A+: 96% **A:** 90%; **A-:** 87%; **B+:** 84% **B:** 80% **B-:** 77%, **C+:** 73% **C:** 70% **C-:** 66% etc

Important Dates

Tuesday October 15th	**Lab Begins**
Thursday December 5th	**Final Exam during pre-lab lecture. Final report and Notebook are due by 12 PM**

Important Notes:

1. Attendance to lecture and lab will be recorded. Absences can result in loss of points and lower grades (Sign-in/out of lab required). Every effort should be made to arrive on time! Students should be responsible for the timely completion of all assignments, regardless of any reason of absence.
2. No make-up quizzes, Notebook check, homework & final exam will be given! If a student misses a quiz, notebook check or homework will be counted as zero.

3. Please bring to my attention any discrepancies or issues within one week after your grade are posted. No change will be made on GoSOLAR after this period.
4. Bound lab notebooks are required at the first day of lab. All entries MUST be made in ink at the time the experiment is being carried out. Notebooks must be submitted with the Final Report.
5. Safety glasses/goggles: Students must bring safety glasses/goggles and wear long pants & closed toe shoes on the first day as synthesis will begin immediately after check-in.
6. Failure to follow safety procedures will result in expulsion from that lab session with no make-up allowed and loss of credit.

Tentative schedule:

Changes and deviations from this syllabus may come and will be announced during class (quizzes, homework, and others).

Lecture Dates	**Lab #**	**Tentative Lecture Emphasis (labwork)**
Oct. 15th	1	Objectives of course (check-in; chalcone preparation), Safety Exam,
Oct.. 17th	2	Recrystallization of chalcone, purity (m.p), Yield, Lit. Search
Oct. 22nd	3	Overview of synthetic routes (Epoxide and/or dibromide preparation)
Oct. 24th	4	Overview continued; structure proof (Epoxide and/or dibromide preparation)
Oct. 29th	5	Structure proof continued (Isoxazole preparation)
Oct. 31st	6	UV Spectroscopy (Complete preparations and purifications)
Nov. 5th	7	UV Spectroscopy continued; Optional procedures (Begin optional procedures)
Nov. 7th	8	Optional procedures continued
Nov. 12th	9	^{13}C NMR (Synthesis of optional compounds continued)
Nov. 19th	10	^{13}C NMR continued (Synthesis of optional compounds continued)
Nov. 21st	11	Format of Final Exam (Last day to begin a new synthesis)
Dec. 3rd	12	Format of Final Report Miscellaneous topics (Complete additional procedures and lab work)
Dec. 5th	13	**Final Exam (8:00 AM-9:30 AM)** Submit Final Report and Notebook (**Due 8:00 am**)

DEPARTMENT OF CHEMISTRY POLICY STATEMENT REGARDING STUDENT INTEGRITY:
The Department of Chemistry follows the university policy on academic honesty published in the "Faculty Affairs handbook" and the "On Campus: The Undergraduate Co-Curricular Affairs handbook." Any suspected offenses may be referred to the Department Chair for appropriate action.
All tests taken must represent your individual, unaided efforts. To receive or offer information during an examination is cheating. The use of unauthorized supplementary materials during tests is also cheating. All laboratory work performed during this course must reflect your individual effort. Only original data obtained by your own laboratory experimentation are to be used, except when specifically authorized by your laboratory professor. Data from supplementary sources (handbooks, reference literature, etc.) must be clearly referenced (title, author, volume, page(s), etc.). Falsification or destruction of data constitutes cheating.

Disability Statement
Students who wish to request accommodation for a disability may do so by registering with the Office of Disability Services. Students may only be accommodated upon issuance by the Office of Disability Services of a signed Accommodation Plan and are responsible for providing a copy of that plan to instructors of all classes in which accommodations are sought.

Your constructive assessment of this course plays an indispensable role in shaping education at Georgia State. Upon completing the course, please take time to fill out the online course evaluation.