**PRINCE GEORGE'S COMMUNITY COLLEGE**

organic chemistry ii – CHM 2020 (LD01 71749)

**SPRING 2015**

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| **Instructor** | Ms. Emerald C. Wilson, Assistant Professor |
|  | Physical Science and Engineering Department |

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| **Office** | CHES 310K |

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| **PHONE NUMBERS**: | 301-322-0435 (my office number) |
|  | 301-322-0420 (Chemistry Department number) |

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| **Email address** | wilsonec@pgcc.edu |
|  | **All credit students (with the exception of Howard Community College students enrolled at Laurel College Center) are required to use Owl Mail for all college communication.** |
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| **Office hours** | Mondays and Fridays 12:00 pm – 1:00 pm |
|  | Tuesdays and Thursdays 9:15 am – 10:45 am |
|  | Alternative meetings times may be set by appointment only |

Office hours are times when you can meet with your professor to discuss the material presented in class or other related interests. Course-related discussions may include seeking clarification of material presented in class; educational plans, graduation requirements, recommendation letter requests, summer internships opportunities, transfer requirements, etc.

**PREREQUISITES**

Organic Chemistry I or CHM 2010 at Prince George’s Community College

**COURSE DESCRIPTION**

Continuation of CHM 2010 with emphasis on reaction mechanisms, synthesis, and spectroscopy of organic compounds.

**COURSE MEETING TIMES**

Tuesday and Thursday from 11:00 am – 12:15 pm in Chesapeake Hall, room 307

**Email Etiquette**

You must correspond by email using your Prince George’s Community College email account. Your email should consists of four items: subject line, salutation, body (email content), and your name. If you do not use Blackboard to send an email, type CHM 2020 in the subject line of your emails. Please write your first and last name at the end of each email correspondence. You can set an email signature with your name.

**COURSE LEARNING OUTCOMES**

Upon successful completion of this course, a student will be able to:

1. Draw structures for and name compounds from the organic families studied.
2. Solve synthetic organic problems.
3. Identify major name reactions, such as Grignard and Wittig reactions.
4. Characterize reactions by their mechanisms such as electrophilic aromatic substitution.
5. Associate the common families of organic compounds with specific reactions and mechanisms.
6. Associate the common families of organic compounds with specific reactions and mechanisms.

**TEXTBOOK (Required)**

\*Organic Chemistry, 4th Ed., Janice Gorzynski Smith ISBN-13:978-0073402772 (latest edition)

or

\*Organic Chemistry,3rd Ed., Janice Gorzynski Smith ISBN-13:978-007735472

**OTHER MATERIALS (Suggested)**

Colored pencils and/or pens

Highlighters

For some useful resources, visit the Department of Physical Sciences and Engineering website at <http://academic.pgcc.edu/psc>

**GRADING CRITERIA**

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| --- | --- | --- |
| **Frequency** |  | **Points** |
| 3 | Exams (100 points each) | 300 |
| 1 | Comprehensive Final Exam | 225 |
| 6 | Homework (20 points each) | 120 |
| 5 | Quizzes (11 points each) | 55 |
|  |  | 700 |

Grades are assigned based on the grading policy stated in the syllabus and not the Blackboard grade book.

**GRADE SCALE (Percentage, %)**

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| --- | --- | --- | --- | --- |
| **A** | **B** | **C** | **D** | **F** |
| **100 - 90** | **89 - 80** | **79 - 70** | **69 - 60** | **59 and below** |

**ASSESSMENTS**

This course will employ exams, homework assignments, and quizzes. Homework assignments and quizzes will be assigned accordingly, including the first day of classes which may be administered during lecture, lab, or online. Please note some assessments may be done in small groups.

**Quizzes**

There are six quizzes in this course but only five will count towards your final grade. The lowest quiz will be dropped at the end of the semester. Quizzes may occur online or in class. In addition, the quizzes may be done individually or in small groups. If you miss a quiz, you will receive an

**CLASS ATTENDANCE**

Regular classroom attendance is essential to your success.  Each student has an expectation to attend all scheduled meeting sessions for lab, lecture, and recitation. If forced to miss a class, you are responsible for collecting all necessary materials distributed during your absence. Please contact your instructor of you absence or lateness via email.

**Q GRADES**

Students are expected to attend and participate in class activities. Students who either never attended the class or who ceased attendance during the first 20 percent of the course will be assigned a “Q” grade by the instructor. The Q grade is a final grade and will not be replaced with a different grade at a later time.

Faculty are required to report the date of last attendance for each student receiving Q or F grade(s) in order for the college to report this date to a variety of federal agencies as mandated. The date of last attendance is considered the date of the student’s termination from the course, regardless of the date of grade submission. Early termination from a course may result in reduction in student loans and financial aid (e.g., Pell, VA benefits) and may require the student to reimburse funds to the funding agency.

**Outside of course Requirements**

Each student needs to dedicate three hours for each credit hour of time in addition to the face-to-face meeting as indicated in the course catalog. CHM 2020 is a three-credit course that equates to 9 hours of time dedicated to studying for this course. Studying can be attending a study group, completing homework problems, flash cards (making and using), note taking, etc. You may need more or less time each week. However, you need to make sure this time is constructive and planned into your weekly schedule. Please note you may need to adjust your schedule as things come up. Please utilize the resources available on Blackboard for additional information.

**Make-ups**

There are no make-up exams, quizzes, or homework assignments.

**CHM 2020 Organic Chemistry II – Professor Wilson**

**Class Schedule Synonym No. 85252- Spring 2015**

This is a tentative schedule, subject to change due to class pace, unexpected class cancellations and other factors.

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| **Week** | **Dates** | **Chapters in Smith 4th edition** | **Assignment/Task** |
| **1** | Jan. 20 | Course Introduction/ Radical Reactions (Sections 15.1 -15.4) | **HW #1, Quiz #1** |
| Jan. 22 | Radical Reactions (Sections 15.7 – 15.14) |
| **2** | Jan. 27 | Conjugation, Resonance, Dienes (Sections 16.1 – 16.8) | **Quiz #2** |
| Jan. 29 | Conjugation, Resonance, Dienes (Sections 16.9 – 16.15) |
| **3** | Feb. 3 | Benzene and Aromatic Compounds (Sections 17.1 – 17.5) | **HW #2** |
| Feb. 5 | Benzene and Aromatic Compounds (Sections 17.6 – 17.10) |
| **4** | Feb. 10 | Reactions of Aromatic Compounds (Sections 18.1 – 18.8) | **Quiz #3** |
| Feb. 12 | Reactions of Aromatic Compounds (Sections 18.9 – 18.16) |
| **5** | Feb. 17 | Carboxylic Acids (Sections 19.1 – 19.6) | **Exam 1** |
| Feb. 19 | Carboxylic Acids (Sections 19.7 – 19.12) |
| **6** | Feb. 24 | Introduction to Carbonyl Chemistry (Sections 20.1 – 20.8) | **HW #3** |
| Feb. 26 | Introduction to Carbonyl Chemistry (Sections 20.9 – 20.17) |
| **7** | Mar. 3 | Aldehydes and Ketones (Sections 21.1 – 21.9) | **Quiz #4** |
| Mar. 5 | Aldehydes and Ketones (Sections 21.10 – 21.17) |
| **8** | Mar. 10 | Carboxylic Acid Derivatives (Sections 22.1 – 22.7) | **HW #4** |
| Mar. 12 | Carboxylic Acid Derivatives (Sections 22.8 – 22.18) |
| **9** | Mar. 17 | Substitution Reactions of Carbonyls (Sections 23.1 – 23.5) | **Exam 2** |
| Mar. 19 | Substitution Reactions of Carbonyls (Sections 23.6 – 23.10) |
| **10** | Mar. 24 | Carbonyl Condensation Reactions (Sections 24.1 – 24.4) | **HW #5** |
| Mar. 26 | Carbonyl Condensation Reactions (Sections 24.5 – 24.9) |
|  | Mar. 31 | **SPRING BREAK – No Classes (March 30 – April 5)** |  |
| April 1 |
| **11** | April 7 | Amines (Sections 25.1 – 25.8) | **Quiz #5** |
| April 9 | Amines (Sections 25.9 – 25.17) |
| **12** | April 14 | Carbon-Carbon Bond Forming Reactions (Sections 26.1 – 26.6) | **Exam 3** |
| April 16 | Carbon-Carbon Bond Forming Reactions (Sections 26.3 – 26.6) |
| **13** | April 21 | Carbohydrates (Sections 28.1 – 28.6) | **HW #6** |
| April 23 | Carbohydrates (Sections 28.7 – 28.14) |
| **14** | April 28 | Amino Acids and Proteins (Sections 29.1 -29.4) | **Quiz #6** |
| April 30 | Amino Acids and Proteins (Sections 29.5 – 29.10) |
| **15** | **Comprehensive Final Exam Thursday May 7th @ 11 am** | | |

**BLACKBOARD**

Blackboard is a Web-based program that serves as the college's online classroom. Blackboard will be used extensively in the course to communicate with all students enrolled in the course through course announcements and/or emails. All scores will be posted on Blackboard. Please check the site regularly for information such as grades, lecture slides, handouts, etc.

**DELAYED COLLEGE OPENINGS**

When the college announces a delayed opening, all classes with at least 45 minutes of class time remaining at the time of the opening will be held. For example, in the event of a 10 a.m. opening, a 9:30-10:45 a.m. class will be held. This procedure applies to all credit classes. To sign up for text alerts such as school closings and delays, log in to **myPGCC** from my.pgcc.edu or from www.pgcc.edu and click Owl Alert Notification System on the Bookmarks tab. Owl Alert is the college’s instant messaging and email notification system. Please register for this service online: <http://www.pgcc.edu/Campus_Info/Owl_Alert.aspx>

**DISABILITY SUPPORT SERVICES**

Students requesting academic accommodations are required to contact the Disability Support Services Office (B-124) or call (301) 322-0838 (voice) or (301) 322-0122 (TTY) to establish eligibility for services and accommodations. Students with documented disabilities should discuss the matter privately with their instructors at the beginning of the semester and provide a copy of their Student/Faculty Accommodation Form.

**CIVILITY STATEMENT**

To promote a community of scholarship and civility, everyone at Prince George’s Community College is expected to be respectful, tolerant and courteous towards others at all times, adhere to college policies and procedures, and respect college property. Creating a culture of civility both inside and outside the classroom is everyone’s responsibility.

Civility is a college-wide commitment and in order to identify PGCC students, students are required to enter classrooms with their college IDs visible. ALL students must have their IDs visible while AT ANY COLLEGE SITE, WHETHER THEY ARE ON THE LARGO CAMPUS OR ANY EXTENSION SITE.

***Envision success, take the journey, and complete your degree***

**CODE OF CONDUCT**

The Prince George's Community College Code of Conduct defines the rights and responsibilities of students and establishes a system of procedures for dealing with students charged with violations of the code and other rules and regulations of the college. A student enrolling in the college assumes an obligation to conduct himself/herself in a manner compatible with the college's function as an educational institution. Refer to the 2013-2014 Student Handbook for a complete explanation of the Code of Conduct, including the Code of Academic Integrity and the procedure for dealing with disruptive student behavior.

**CODE OF ACADEMIC INTEGRITY**

The college is an institution of higher learning that holds academic integrity as its highest principle. In the pursuit of knowledge, the college community expects that all students, faculty, and staff will share responsibility for adhering to the values of honesty and unquestionable integrity. To support a community committed to academic achievement and scholarship, the Code of Academic Integrity advances the principle of honest representation in the work that is produced by students seeking to engage fully in the learning process. The complete text of the Code of Academic Integrity is in the 2013-2014 Student Handbook and posted on the college's website.

**CLASSROOM guidelines**

**DISRUPTIVE STUDENTS**

Disruptive student behavior applies to behavior that persistently or grossly interferes with academic and administrative activities at the college. Such behavior hampers the ability of the other students to learn and of instructors to teach.

Willful disruption of the instructional process both inside and outside the classroom, for whatever reason, will not be tolerated. Students charged with disruptive behavior are subject to appropriate disciplinary action, which may lead to suspension or expulsion. If you are disruptive to the class, you will be asked to leave and will be required to meet with Professor Wilson to discuss your behavior. Repeat offenses may result in you dismissal from the course.

**Letters of recommendation**

A student may request a letter of recommendation from Professor Wilson if the students meets the following criteria:

1. Established a genuine professional relationship with Professor Wilson and
2. Received an A or B in the course.

You must request the letter(s) via email and provide a minimum 21-business day (3 weeks) notice for completion.  Please wait for an email response. If Professor Wilson accepts your request via email, please send a follow-up email with information such as your academic history; pertinent academic awards received; related volunteer service and/or community service award (recognition); a short personal statement on your professional goals; information as to where to send the recommendation letter; and your resume. Please note you may need to meet with Professor Wilson, in person, in addition to providing the materials.

**Important college information and resources**

**eLEARNING SERVICES (301-322-0463)**

**Location: Accokeek Hall (Library)**

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| The eLearning Services department at Prince George's Community College provides a variety of services to support students and faculty using Blackboard and related eLearning technologies | Mon.-Thurs.: 8:30 am – 8 pm  Fri.: 8:30 am – 5 pm  with phone support available until 9 pm |

**Testing Center (Student Assessment Services)**

**Location: Bladen Hall Room 100**

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| All exams for this course will be administered at the testing center with the exception of the final exam. Please abide all rules and regulations set forth by the testing center. | Mon-Thurs.: 8:30 am –8:30 pm  Fri.\*: 8:30 am – 4:30 pm  Sat.: 9 am – 3:30 pm  Sun: Closed |

\*On the first Friday of each month, the Center closes at 2:30 pm with no admittance after 2 pm.

**No additional students will be admitted for testing 30 minutes prior to the posted closing time.**

**Tutoring and writing Center (301-322-0748)**

**Location: Bladen HallRoom 107**

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| The Tutoring Center provides instructional support to all credit students.  Services include individual tutoring by appointment, walk-in assistance (when a tutor is available), guided small-group study sessions, and assistance for related computer software.  Call to make an appointment to assure an appointment. | **Hours of Operation**  Mon-Thurs.: 8:30 am –8:30 pm  Fri.: 8:30 am – 4:30 pm  Sat.: 8:30 am – 3:30 pm |

**IMPORTANT COURSE AND REGISTRATION DATES**

Log in to **myPGCC** from my.pgcc.edu or from www.pgcc.edu for updates and announcements.

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| Classes begin for Spring 2015 for all locations  (except Laurel College Center) | Tuesday, January 20 |
| Laurel College Center classes begin for Spring 2015 | Saturday, January 24 |
| No classes – College closed – Presidents’ Day | Monday, February 16 |
| Last day to withdraw from first-half semester classes | Monday, February 23 |
| **Last day to withdraw from full semester classes** | **Friday, April 10** |
| No classes – College closed – Spring break | Monday-Sunday, March 30-April 5 |
| Registration for 2015 summer sessions begins for all students | Monday, April 20 |
| Last day to withdraw from second-half semester classes | Friday, April 24 |
| Advance registration for fall 2015 begins for returning students | Monday-Sunday, April 27 – May 3  (Online only, May 2 and 3) |
| Last day of regular classes for the spring 2015 semester | Monday, May 4 |
| Registration for fall 2015 begins for all students | Monday, May 4 |
| Final exam period/last week of spring 2015 classes | Tuesday – Monday, May 5 – 11 |
| Commencement | Thursday, May 21 |
| No classes – College closed – Memorial Day Observed | Saturday – Monday, May 23 – 25 |
| Summer sessions begin | Monday, June 1 |