Syllabus - MATH 120A Elements of Complex Analysis - Summer Session II 2016

Meeting Times: T, TH 9:00AM-11:50AM. Lecture Room: PETER 104
Office Hours: T, TH 12:00PM-1:00PM
Instructor: Robert Snellman
Email: rsnellma@ucsd.edu
Prerequisite: Math 20E or Math 31CH, or consent of instructor
TA: Yucheng Tu
TA email: y7tu@ucsd.edu
TA Office Hours: M, W 1:00PM-2:00PM in AP&M 5412.

Discussion Sections: There are two discussion sections for this course

- Section A01: Monday and Wednesday, 10:00AM-10:50AM in AP&M B412
- Section A02: Monday and Wednesday, 11:00AM-11:50AM in AP&M B412.

Students should actively participate in discussion sections by asking and answering questions.

Course Materials:

- No calculators or other computing devices.

Catalog’s Course Description: This course is an introduction to complex analysis at an undergraduate level. Topics include, but are not limited to: basic properties of the complex numbers, analytic functions, harmonic functions, elementary conformal mappings, complex integration, power series, Cauchy’s theorem, Cauchy’s integral formula, and the residue theorem.

Attendance: Attending all lectures/discussion sections and active note taking will be crucial to a student’s success in this course.

Electronic Devices: The use of electronic devices for note taking is prohibited. Photos or videos of lectures with a student’s electronic device is prohibited. If students do not comply with the note taking policy, then the instructor reserves the right to stop lecturing until students abide by the policy. Please be aware that if such interruptions occur, it may limit the amount of material the instructor can cover. If planned material wasn’t covered in class, due to interruptions, then it will be the responsibility of the students to read the associated material in the textbook.
Homework: Homework assignments will be assigned weekly in class and posted on the course website. Assignments will be due one week from the issued date. The TA for the course will setup a drop box in the basement of AP&M where students can turn in their homework assignments. No late work will be accepted. Students should also read the textbook before attending class. Furthermore, students are responsible for the material in the textbook, even if certain topics aren’t covered thoroughly in lecture.

Exams: Students are required to bring blue books to the exams, the instructor will not provide blue books for students. There will be NO makeup exams. All exams will be held in class on the designated dates. They will be given on the following dates:

- **Midterm Exam**: Thursday, August 18 in-class.
- **Final Exam**: Saturday, September 3. Time: 8:00AM-11:00AM in HSS 1330.

Caution: All students, regardless of course performance, must take the final exam. If a student does not take the final exam, then the student will receive a failing grade for the course. Moreover, students must pass the final exam in order to pass the course.

Grading: The overall grade will be computed based on performance on homework and exams. Total percentage in the course will be computed in the following two ways:

- Homework 30%    Midterm 30%    Final 40%
- Homework 30%    Final 70%.

If a student is unable to attend the midterm exam, then the student’s grade will be computed using the 30:70 scale above, otherwise, all student’s grades will be computed both ways with the highest percentage being taken as the overall percentage. The grades will be based on the following standard percentage scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
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<tbody>
<tr>
<td>A</td>
<td>93-100</td>
</tr>
<tr>
<td>A-</td>
<td>90-92</td>
</tr>
<tr>
<td>B+</td>
<td>87-89</td>
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<tr>
<td>B</td>
<td>83-86</td>
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<tr>
<td>B-</td>
<td>80-82</td>
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<tr>
<td>C+</td>
<td>77-79</td>
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<tr>
<td>C</td>
<td>73-76</td>
</tr>
<tr>
<td>C-</td>
<td>70-72</td>
</tr>
</tbody>
</table>

Regrades: All homework assignments and the midterm exam will be handed back in the discussion section for which the student is registered. In order to request a regrade for a homework assignment or exam, students must abide by the following rules:

- The regrade request must be for a legitimate reason, i.e. points were added up incorrectly, problem wasn’t graded, etc. a simple “I want more points” is not a legitimate reason.
- Return the assignment/exam to the TA before leaving discussion section. Assignments/exams which have left the room are no longer eligible for a regrade.
- All regrade requests must be submitted within one week of the assignment/exam being handed back in discussion section. All regrade requests submitted outside this time frame will be denied.
**Academic Dishonesty:** Students caught in violation of the UCSD academic integrity policy will face administrative sanction which may include suspension or expulsion from the university.

**Important Dates:** The following are useful dates for students

- August 5, Deadline to late add class.
- August 12, Deadline to drop class without a W grade.
- August 30, Deadline to drop class with a W grade.
- September 3, Final exam and end of Summer session II.

**Academic Accommodation:** Students needing academic accommodations must register with the Office for Students with Disabilities (OSD). The student must provide the appropriate accommodation documentation to the instructor no later than the end of the first week of classes.