MATH 3325 - Transition to Advanced Mathematics
Section 18930, Fall 2017

Course Information
Instructor: Atife Caglar
acaglar@math.uh.edu, PGH 214

Time and Location: TTh 1pm-2:30pm, AH 301
Hours: TTh 12pm-1 pm
Course Website: I post anything related to this course in Blackboard not in my website.
Textbook: A Transition to Advanced Mathematics, 7th Edition,
D. Smith, M. Eggen, R. St. Andre; Cengage Learning, 2011.
ISBN: 978-0495562023 P

Prerequisites: MATH 1432

Course Description
This course provides an introduction to mathematical proofs and other fundamental topics in Mathematics. The goal of the course is to help students make the transition from mathematics courses in which the focus is on computation (Calculus, Differential Equations, Basic Linear Algebra, etc.) to more advanced courses in mathematics in which the focus is on theory and proofs (Real Analysis, Abstract Algebra, Advanced Linear Algebra, etc.) Key topics include:

- Logic and Proofs
- Set Theory
- Relations and Partitions
- Functions
- Cardinality
- Concepts of Analysis

Schedule and Attendance
While attendance does not factor directly into your final grade, it is expected that you attend
all lectures. If you have to miss class for any reason, you are responsible for the material covered in your absence. Generally, class notes will be posted on the course calendar after each lesson, but these notes may not always include all comments or announcements made in lecture. A tentative lecture schedule is given on the course website.

**Grading Policy**

Final grades are based on homework and exam scores weighted as follows:

- Homework: 20%
- Midterm 1: 25%
- Midterm 2: 25%
- Final Exam: 30%

For letter grades, the following scale applies.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Score Range</th>
</tr>
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<tbody>
<tr>
<td>A</td>
<td>x ≥ 92</td>
</tr>
<tr>
<td>A-</td>
<td>90 ≤ x &lt; 92</td>
</tr>
<tr>
<td>B+</td>
<td>87 ≤ x &lt; 90</td>
</tr>
<tr>
<td>B</td>
<td>83 ≤ x &lt; 87</td>
</tr>
<tr>
<td>B-</td>
<td>80 ≤ x &lt; 83</td>
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<tr>
<td>C+</td>
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<tr>
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<tr>
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<td>67 ≤ x &lt; 70</td>
</tr>
<tr>
<td>D</td>
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</tr>
<tr>
<td>D-</td>
<td>60 ≤ x &lt; 63</td>
</tr>
<tr>
<td>F</td>
<td>x &lt; 63</td>
</tr>
</tbody>
</table>

**Homework**

Homework will be assigned two or three times weekly, and should be submitted in class on the indicated due date. Late homework will not be accepted; however, the two lowest homework scores will be dropped. Homework solutions should be prepared independently and not copied from other sources. You are encouraged, however, to discuss with others and consult other resources to improve your understanding. *Exceptions may be made for students with approved CSD accommodations (see below).

**Exams**

There will be two midterm exams and a Final exam. The midterm exams will be given in class on the following dates:

- Midterm 1: Thursday, September 28
- Midterm 2: Thursday, November 9

The Final exam will be held in the same classroom at the following date and time:

**Final Exam:** Tuesday, December 12, 2pm-5pm

**Make-up Policy**

There will be no make-up exams offered in this course: Instead, your lowest midterm score will be replaced by your score on the final exam if it helps your grade. If you miss two exams,
only one of those scores will be replaced. Students are expected to take the final exam on the date listed above. A make-up final exam may be offered in the case of a documented emergency. Make-ups will not be offered to accommodate personal travel plans. *Exceptions may be made for students with approved CSD accommodations (see below).

**Additional Information**

**Academic Integrity:**

All UH academic integrity policies apply to this course. For a review of these policies, visit: [http://www.uh.edu/provost/academic-affairs/policy-guidelines/honesty-policy/](http://www.uh.edu/provost/academic-affairs/policy-guidelines/honesty-policy/)

**Learning Accommodations:**

The University of Houston System complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, pertaining to the provision of reasonable academic adjustments/auxiliary aids for students who have a disability. In accordance with Section 504 and ADA guidelines, University of Houston strives to provide reasonable academic adjustments/auxiliary aids to students who request and require them. If you believe that you have a disability requiring an academic adjustments/auxiliary aid, please visit The Center for Students with DisABILITIES (CSD) website at [http://www.uh.edu/csd/](http://www.uh.edu/csd/) for more information.

Students seeking academic adjustments/auxiliary aids must, in a timely manner (usually at the beginning of the semester), provide their instructor with an approved current Student Accommodation Form (paper copy or online version, as appropriate) before an approved accommodation can be implemented.