MATH 4181: Mathematics Seminar, Spring 2019

Contact Information

Instructor: Karl Havlak
Office: MCS 220A
Office Phone: (325) 486-5432
e-mail: Karl.Havlak@angelo.edu

Office Hours:
10:20 – 11:20 a.m., TR;
1:00 – 3:00 p.m., MTWRF;
or by appointment

Textbook

No textbook required.

Blackboard

This course has an associated Blackboard page where you will have access to grades and other course-related items.

Course Content

Presentations and discussions on selected topics to help develop mathematical communication skills of students and to encourage an exchange among mathematics majors and faculty members.

Course Grade

Two activities will contribute to your final grade in this course. A 15-20 minute presentation will be the main course component and will account for 60% of your grade. A written response/summary to a presentation will account for 40% of your grade. Attendance is mandatory with each absence after the first absence resulting in a letter grade reduction in your course grade. Students not giving their full attention to the speaker will be considered as not having attended the seminar.

Grading Policy

To determine the average needed to ensure that you obtain the grade that you want in this course, consult the table that follows.

<table>
<thead>
<tr>
<th>Average</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.5 and above</td>
<td>A</td>
</tr>
<tr>
<td>79.5 to 89.5</td>
<td>B</td>
</tr>
<tr>
<td>69.5 to 79.5</td>
<td>C</td>
</tr>
<tr>
<td>59.5 to 69.5</td>
<td>D</td>
</tr>
<tr>
<td>below 59.5</td>
<td>F</td>
</tr>
</tbody>
</table>

Attendance

Attendance will be taken regularly. Each absence beyond the first absence will result in a letter grade reduction of you final course grade. Please inform me of any absences prior to the absence whenever possible.
Student Responsibilities

The student is solely responsible for:

• Completing each assignment by the specified due date.
• Obtaining assignments and other materials for classes from which they are absent.
• Utilizing, as needed, all available study-aid options (including meeting with the instructor, referring to outside texts, etc.) to resolve any questions that they might have regarding homework, course material, etc.
• Realizing from the beginning of the course the grade that they may need or want to graduate, maintain a scholarship, stay in athletics, etc. … and give as much effort as it takes to obtain this grade.

Student Disability Services

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA), and subsequent legislation.

The Office of Student Affairs is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student’s responsibility to initiate such a request by contacting:

Dallas Swafford  
Director of Student Disability Services  
Office of Student Affairs  
325-942-2047  
dallas.swafford@angelo.edu

Title IX

Angelo State University is committed to the safety and security of all students. If you or someone you know experience sexual harassment, sexual assault, domestic or dating violence, stalking, or discrimination, you may contact ASU’s Title IX Coordinator:

Michelle Boone  
Director of Title IX Compliance  
325-942-2022  
michelle.boone@angelo.edu

Student Absence for Observance of Religious Holy Days

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. The full details can be found in ASU Operating Policy OP 10.19 Observance of Religious Holy Days.

Incomplete Grade Policy

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep
you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures for more information.

**Student Conduct Policies**

**Academic Integrity**

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The College of Science and Engineering adheres to the Statement of Academic Integrity.

**Plagiarism**

Plagiarism is a serious topic covered in ASU's Academic Integrity policy in the Student Handbook. Plagiarism is the action or practice of taking someone else's work, idea, etc., and passing it off as one's own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality via Turnitin. Resources to help you understand this policy better are available at the ASU Writing Center.

**Copyright Policy**

Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

**General Policies Related to this Course**

- All students are required to follow the policies and procedures presented in these documents:
  - Angelo State University Student Handbook
  - Angelo State University Catalog

- In the event that the university is closed for a scheduled class time, whatever was scheduled for that day and/or whatever was due that day will be scheduled and/or due on the next scheduled class time.

- All electronic correspondence will be sent to your ASU e-mail account unless other arrangements are made.

- Feel free to come by my office at any time for help. I will definitely be near my office during my office hours (or there will be a note telling you when I will be back).
office hours are not convenient for you, meet with me to arrange for another time that is more convenient.

• Good luck. I sincerely hope you do well in this course, and I strongly encourage you to use me as a resource outside of class to help you succeed.

All items contained in this syllabus are subject to change as the semester progresses. Students will be notified in advance of any changes.

Mathematics 4181 – Mathematics Seminar
Student Learning Outcomes

1. Students will demonstrate factual knowledge of mathematical notation and terminology used in this course. Students will interpret and use the vocabulary, symbols, and basic concepts modeled for them in a variety of mathematical presentations.

2. Students will describe the fundamental principles including the laws and theorems arising from the concepts covered in this course. Students will reflect on and discuss the mathematical ideas developed in the presentations, as well as the presentation techniques themselves.

3. Students will apply course material along with techniques and procedures covered in this course to solve problems. Students will use the concepts and techniques learned in this class to deepen their understanding and appreciation of mathematics, and also to develop and improve their ability to research and deliver effective mathematical presentations.

4. Students will develop specific skills, competencies, and thought processes sufficient to support further study or work in this field or related fields. Students will develop insight into a variety of mathematical topics not typically covered in their classes. Students will also observe and model the skills and competencies necessary to make an effective mathematical presentation.

Textbook
No textbook required.

Anticipated Schedule
The table below indicates the expected class activities on the date listed.

<table>
<thead>
<tr>
<th>Day</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 16</td>
<td>Organizational Meeting</td>
</tr>
<tr>
<td>January 23</td>
<td>Elements of a Good Presentation</td>
</tr>
<tr>
<td>January 30</td>
<td>Faculty Presentation</td>
</tr>
<tr>
<td>February 6</td>
<td>Student Presentations</td>
</tr>
<tr>
<td>February 13</td>
<td>Student Presentations</td>
</tr>
<tr>
<td>February 20</td>
<td>Student Presentations</td>
</tr>
<tr>
<td>February 27</td>
<td>Student Presentations</td>
</tr>
<tr>
<td>March 6</td>
<td>Student Presentations</td>
</tr>
<tr>
<td>March 20</td>
<td>Student Presentations</td>
</tr>
<tr>
<td>March 27</td>
<td>Student Presentations</td>
</tr>
<tr>
<td>Day</td>
<td>Activity</td>
</tr>
<tr>
<td>---------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>April 3</td>
<td>Student Presentations</td>
</tr>
<tr>
<td>April 10</td>
<td>Student Presentations</td>
</tr>
<tr>
<td>April 17</td>
<td>Student Presentations</td>
</tr>
<tr>
<td>April 24</td>
<td>Student Presentations</td>
</tr>
<tr>
<td>May 1</td>
<td>Faculty Presentation</td>
</tr>
</tbody>
</table>

i Blackboard Link: [http://blackboard.angelo.edu](http://blackboard.angelo.edu)

ii Observance of Religious Holy Days: [http://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of](http://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of)

iii Grading Procedures: [http://www.angelo.edu/content/files/14197-op-1011-grading-procedures](http://www.angelo.edu/content/files/14197-op-1011-grading-procedures)


v ASU Writing Center: [http://www.angelo.edu/dept/writing_center/academic_honesty.php](http://www.angelo.edu/dept/writing_center/academic_honesty.php)


vii University Catalog: [http://www.angelo.edu/catalogs/](http://www.angelo.edu/catalogs/)