Course Number and Name

a. **ENGR 2332**: Mechanics of Materials, Spring 2021
b. Section 010, TR 10:30am – 12:20pm, VIN 287 and HSEL (Select Dates- See Schedule)

Credits and Contact Hours

a. **Credits**: 3
b. **Contact Hours**: 2 hours/week (Classroom); 2 hours/week (Laboratory)

Instructor Information

a. **Course Coordinator**: Anthony Battistini
b. **Instructors**:
   i. Anthony Battistini, 325-486-5511, anthony.battistini@angelo.edu. Office: VIN 271. For office hours see faculty homepage.

Required Course Materials

a. **Required Textbook**: None

Software: Microsoft Excel
d. **Other Supplemental Materials**: Materials posted on Blackboard® Learning Management System

Technology Requirements

To successfully complete this course, you need to access to the Blackboard® Learning Management System. Homework will be submitted and subsequently graded online through Blackboard.

Due to COVID-19 lab restrictions, you will also have to watch some lessons using posted videos and to submit .pdf scans or copies of your notes.

Laptops and tablets may be used in-class.

Specific Course Information

a. **Catalog Description**: Stresses, deformations, stress-strain relationships, torsions, beams, shafts, columns, elastic deflections in beams, combined loading, and combined stresses.
b. **Prerequisites**: ENGR 2301 Engineering Mechanics – Statics; MATH 2314 Calculus II
d. **Required or elective**: Required for the BSCE and BSME Majors.

Specific Goals for the Course

a. Course Learning Outcomes:
   1. Explain the concepts of stress and strain as it relates to elastic and inelastic materials
   2. Calculate forces and deformations in one-dimensional systems due to axial loads and torsional loads
   3. Perform stress and strain transformations, including construction of Mohr’s circle to identify principal stresses
   4. Explain and apply basic material failure theories, particularly Tresca’s and von Mises’s criteria
   5. Analyze forces, stresses, and deformations in elastic members due to transverse bending, shear, torsion, axial forces, and combined loadings
   6. Solve for the internal forces and stresses in pressure vessels
   7. Define the critical elastic buckling load for a column using a boundary theory approach
8. Design and conduct appropriate experiments to test engineering theories in relation to stress and strain in a team setting
9. Interpret and analyze experimental data to develop conclusions that reflect sound engineering judgment

b. Course Learning Outcome Mapping to ABET Criterion 3 Student Outcomes:

Table 1: Course Learning Outcomes mapped to ABET Student Outcomes

<table>
<thead>
<tr>
<th>ABET Student Outcomes</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Solve Problems</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td>2. Design</td>
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<td></td>
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<td>X</td>
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<td>3. Communication</td>
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<td></td>
<td></td>
<td>X</td>
<td></td>
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<tr>
<td>4. Ethics &amp; Professionalism</td>
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<tr>
<td>5. Teamwork</td>
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<td></td>
<td></td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>6. Experimentation</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td>X</td>
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<tr>
<td>7. Acquire New Knowledge</td>
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</tr>
</tbody>
</table>

8: Topics Covered
1. Stress, Strain, Material Properties
2. 1D Bars: Deflection, Torsion, Temperature Effects, Statically Indeterminate Systems
3. Stress and Strain Transformation, Mohr’s Circle
4. Failure Theories: Tresca’s and von Mises’s Criteria
5. Elastic Beam Behavior: V, M Diagrams, Bending Stress, Transverse Shear Stress, Bending Deflections by Integration
6. Pressure Vessels
7. Buckling: Elastic Flexural Buckling
8. Combined Stresses
9. Laboratory Experiments (Covering Topics 1-7)
9: Course Delivery and Communications

9.1: Delivery Methods

The course will meet two times a week for class, where the instructor will be communicating new engineering theories and information to the students. This portion will last approximately 75 minutes, depending on the topic. Following class, the students will then participate in group activities to supplement the learning of the concepts introduced during class. These activities may include designing laboratory experiments, conducting laboratory experiments, solving additional engineering problems, and/or completing assignments.

Lesson materials will be organized on the Blackboard website for the course. Students should have access to the lesson handouts during class by either printing the handouts or having them available for modification on your computer/tablet. The handouts only outline the material for a given class and we will complete them together during class so you have the relevant information.

Attendance in class is expected. Some of the material presented will correlate with the textbook, but other material will not and/or may be presented differently. You are responsible for all topics that are covered in class. Please communicate to the instructor if you need to miss class so a suitable arrangement can be made.

Academic integrity is expected from all students at all times in accordance with Part I, Section B.1 of the Angelo State University Code of Student Conduct.

Respect for your fellow classmates is required. Do not act in a manner that may distract others, including but not limited to: talking during lecture, texting, receiving obnoxious phone calls, watching YouTube videos, eating noisily, listening to loud music, walking to the front of the room during lecture just to turn your homework in because you were late to class, etc... If you need to do any of these activities, you are free to leave the classroom.

9.2: Communications

Important course announcements and changes will be sent by email via Blackboard. Students are expected to regularly check their Angelo State University email for these messages.

Students should feel free to contact the instructor regarding any issues with the class.

In-person and virtual office hours are available for students to directly meet with the instructor. Dr. Batts's office hours can be found on his faculty website.

Students can also email Dr. Batts with any questions and concerns. Dr. Batts will usually respond to email within a few hours, but definitely within 24 hours Monday through Friday. Weekend replies may take longer.

10: Professionalism

Professional engineering standards apply in this class. You are expected to demonstrate a behavior consistent with the conduct of an individual practicing in the engineering profession. You are expected to: (1) come prepared for class; (2) respect faculty and peers; (3) demonstrate responsibility and accountability for your own actions; (4) demonstrate sensitivity and appreciation for diverse cultures, backgrounds, and life experiences; (5) offer and accept constructive criticism in a productive manner; (6) demonstrate an attitude that fosters professional behavior among peers and faculty; (7) be punctual to class meetings; (8) maintain a good work ethic and integrity; and (9) recognize the classroom as a professional workplace.
11: Graded Material

11.1: Final Grades

Table 2: Grade Weighting

<table>
<thead>
<tr>
<th>Item</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation/In-Class Assignments</td>
<td>10%</td>
</tr>
<tr>
<td>Laboratory Assignments</td>
<td>15%</td>
</tr>
<tr>
<td>Homework</td>
<td>15%</td>
</tr>
<tr>
<td>Exam I</td>
<td>20%</td>
</tr>
<tr>
<td>Exam II</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

All grades will be assigned on an absolute scale as a minimum. The instructor reserves the right to adjust the weights given to the assignments/homework/exams listed above. Any adjustments will be applied evenly to the entire class and never to the detriment of your grade.

11.2: Grading Scale

<table>
<thead>
<tr>
<th>Percentage Range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90.0% - 100%</td>
<td>A</td>
</tr>
<tr>
<td>80.0% - 89.9%</td>
<td>B</td>
</tr>
<tr>
<td>70.0% - 79.9%</td>
<td>C</td>
</tr>
<tr>
<td>60.0% - 69.9%</td>
<td>D</td>
</tr>
<tr>
<td>&lt; 60.0%</td>
<td>F</td>
</tr>
</tbody>
</table>

11.3: Class Attendance, Participation, Timeliness and Teamwork

- A portion of your grade will be based on participation. For full credit, students are expected to arrive to class on time and adequately prepared, meaning that any assigned readings and/or homework are already completed by the time the class period begins.
- Participation points will be assigned at the discretion of the instructor, and may be based upon the following:
  - Attendance throughout the class period (sometimes recorded by photograph)
  - Completion of homework or reading assignments
  - Willingness to answer a question when called upon (answer does not have to be correct)
  - Effort displayed during group activities or in-class assignments
- In-class assignments may be given periodically to help identify student understanding of the material.
- Students may work together on in-class assignments, but may have to turn in his or her own problem work.
- If you will be absent, please make prior arrangements with the instructor.
11.4: Laboratory Assignments

- Throughout the semester, you will need to complete laboratory experiments, assignments, and reports. These assignments will be longer and/or more comprehensive than a typical homework problem.
- Use of Microsoft Word, Excel, and PowerPoint (or equivalent software) may be required to receive full credit.
- Some laboratory assignments may be completed and submitted individually, while others may be submitted in groups.
- It is noted that nearly all worthwhile accomplishments from raising a family to launching the space shuttle are the work of teams. Civil engineering is no exception. All significant civil engineering projects are completed by teams. You will be assigned to laboratory teams throughout the semester and are expected to participate, communicate, and work effectively together with your team on group assignments.
- Specific information regarding laboratory experiments, including any necessary safety precautions, and subsequent assignments and reports will be posted to Blackboard and discussed during class.

11.5: Homework

- Homework is due on Blackboard by 10:30am on the day specified on the course schedule.
- Late homework may not be accepted for full credit, unless previous arrangements with the instructor are made. Please talk to me!!
- Late homework is subject to additional deductions at the discretion of the instructor. In general, it is more beneficial to turn in late homework that you have tried to complete than it is to turn in “junk” on time.
- Neatness counts! As an engineer and a professional, your work will often be read and scrutinized by others. In some instances, it could be a legal document or a piece of evidence in a court of law. It is your responsibility that the work you prepare is presented in a legible, methodical, and logical manner.
- Any handwritten homework should be performed directly on the printout of the homework, on one side of 8.5” x 11” engineering computation paper, either the “green” paper or a black and white copy of it (available on Blackboard), or on plain white paper.
- Each problem should start on a separate page.
- The solution should include: the problem statement, solution steps, and answer. Key intermediate values should be indicated by underlining or some other means, and the final answer should be boxed/circled.
- Units should be included with all answers.
- Sketches/diagrams should be made with a straight edge.
- Name, date, and problem info should be included on each page. See the example homework solution posted to Blackboard, which meets all of these requirements.
- Students may collaborate to complete the homework; however, each student must turn in his/her own assignment for grading. Direct copying of other’s work is not allowed and may be subject to disciplinary actions.
- Homework problems will be graded out of 10 pts unless otherwise noted (if 2 problems, 20 pts total; if 4 problems, 40 pts total).
- At the end of the semester, 30 pts will be added to your homework total. This will account for any lost points or missed problems.
11.6: Exams

- Make-up exams will only be given for extenuating circumstances, unless prior arrangements with the instructor are agreed upon.
- Exams will not be open textbook or notes, but the use of a formula/cheat sheet will be permitted. Details will be discussed closer to the exam time.
- Exams I and II will be 1.75 hours long and will be given during the class periods indicated on the course schedule. The final exam will be given according to the university’s standard schedule (Angelo State University Final Exam Schedule) on Tuesday, May 11, 2021 from 10:30am-12:30pm.

12: Classroom and University Policies and Student Support

12.1: General Policies

All students are required to follow the policies and procedures presented in the Angelo State University Student Handbook and Angelo State University Catalog.

12.2: 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.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student’s responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the Student Disability Services website. The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford
Director of Student Disability Services
Office of Student Affairs
325-942-2047
dallas.swafford@angelo.edu
Houston Harte University Center, Room 112

12.3: Title IX at Angelo State University

The University prohibits discrimination based on sex, which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any allegations I am notified of to the Office of Title IX Compliance.

Students are encouraged to report any incidents of sexual misconduct directly to ASU’s Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator at:
Michelle Boone, J.D.
Director of Title IX Compliance/Title IX Coordinator
Mayer Administration Building, Room 210
325-486-6357, michelle.boone@angelo.edu

You may also file a report online 24/7 at Angelo State's Online Incident Report³

If you are wishing to speak to someone about an incident in confidence you may contact the University Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345.

For more information about resources related to sexual misconduct, Title IX, or Angelo State’s policy please visit: Angelo State's Title IX Webpage¹⁰.

12.4: Observance of Religious Holy Day

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for Observance of Religious Holy Day¹¹ for more information.

12.5: 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 Procedures¹² for more information.

12.6: Required Use of Masks/Facial Coverings

As a member of the Texas Tech University System, Angelo State University has adopted the mandatory Facial Covering Policy¹³ to ensure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests there is a significant reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Therefore, in compliance with the university policy students in this class are required to wear a mask/facial covering before, during, and after class. Faculty members may also ask you to display your daily screening badge as a prerequisite to enter the classroom. You are also asked to maintain safe distancing practices to the best of your ability. For the safety of everyone, any student not appropriately wearing a mask/facial covering will be asked to leave the classroom immediately. The student will be responsible to make up any missed class content or work. Continued non-compliance with the Texas Tech University System Policy may result in disciplinary action through the Office of Student Conduct.

12.7: Student Conduct Policies

12.7.1: 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.

12.7.2: Plagiarism

Plagiarism is a serious topic covered in ASU’s Academic Integrity policy¹⁴ 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 or SafeAssign. Resources to help you understand this policy better are available at the ASU Writing Center.

12.7.3: 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.

13: Instructor Specific Information

The instructor reserves the right to change the policies and procedures of this course when he deems it necessary. Any such changes will be implemented fairly and will typically not be a detriment to your grade. The instructor will notify you of any such changes in a timely manner.

13.1: Photo/Video Policy

- Students are allowed to take photos/videos of lectures and classroom activities provided the following conditions are met:
  - The capturing of the photo/video is not disruptive to other students or the professor.
  - The photos/videos are for personal use only (not posted publicly), unless otherwise discussed.
  - Fun photos/videos are shared with the professor

13.2: Diversity and Equity Statement

The instructor strives to promote a living and learning environment for outstanding growth and productivity among all students, faculty and staff. Diversity is broadly defined to include such characteristics as, but not limited to, race, ethnicity, gender, religion, age, disability, sexual orientation, or socio-economic background. Diversity also entails different viewpoints, philosophies, and perspectives. Course activities and attention to these aspects of diversity will help promote a culture of inclusion and belonging, and an environment where diverse opinions, backgrounds and practices have the opportunity to be voiced, heard and respected. All students in my classroom are expected to show respect for one another.
14: Course Outline
The course outline is presented in Table 3. Updates to this schedule will be provided via Blackboard.

Table 3: Course Lesson Outline

<table>
<thead>
<tr>
<th>Lesson</th>
<th>Day</th>
<th>Date</th>
<th>Room</th>
<th>Text</th>
<th>Notes/Topic</th>
<th>Assignment Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Tuesday</td>
<td>1/26</td>
<td>VIN 287</td>
<td>Syllabus, Course Discussion, First Day Rap Up</td>
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</tr>
<tr>
<td>02</td>
<td>Thursday</td>
<td>1/28</td>
<td>VIN 287</td>
<td>3.1-2</td>
<td>Stress vs Strain; Lab 02A</td>
<td>Homework 00</td>
</tr>
<tr>
<td>03</td>
<td>Tuesday</td>
<td>2/2</td>
<td>VIN 287; HSEL 104</td>
<td>3.3-4; 3.6</td>
<td>Material Properties; Lab 02B (Groups 1,2,3)</td>
<td>Homework 01</td>
</tr>
<tr>
<td>04</td>
<td>Thursday</td>
<td>2/4</td>
<td>VIN 287; HSEL 104</td>
<td>4.1-2</td>
<td>1D Bars- Deflection I; Lab 02B (Groups 4,5,6)</td>
<td></td>
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<tr>
<td>05</td>
<td>Tuesday</td>
<td>2/9</td>
<td></td>
<td>NO SCHOOL- SA WATER ISSUE</td>
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<td>Homework 02</td>
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<tr>
<td>06</td>
<td>Thursday</td>
<td>2/11</td>
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<td>NO SCHOOL- SA WATER ISSUE</td>
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<td>07</td>
<td>Thursday</td>
<td>2/12</td>
<td>ONLINE</td>
<td>4.3-5</td>
<td>1D Bars- Deflection II</td>
<td>Lesson 05</td>
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<tr>
<td>08</td>
<td>Tuesday</td>
<td>2/16</td>
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<td>NO SCHOOL- SNOW</td>
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<tr>
<td>09</td>
<td>Thursday</td>
<td>2/18</td>
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<td>NO SCHOOL- SNOW</td>
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<tr>
<td>10</td>
<td>Tuesday</td>
<td>2/23</td>
<td>VIN 287</td>
<td>4.6-7</td>
<td>1D Bars- Deflection III</td>
<td>Homework 03</td>
</tr>
<tr>
<td>11</td>
<td>Thursday</td>
<td>2/25</td>
<td>VIN 287</td>
<td>5.1-2</td>
<td>1D Bars- Torsion I</td>
<td>Lab 02</td>
</tr>
<tr>
<td>12</td>
<td>Tuesday</td>
<td>3/2</td>
<td>VIN 287</td>
<td>5.4-5</td>
<td>1D Bars- Torsion II</td>
<td>Homework 04</td>
</tr>
<tr>
<td>13</td>
<td>Thursday</td>
<td>3/4</td>
<td>VIN 287</td>
<td>Lab 01: UTM Tests (Groups 4,5,6 at 10:30am, Groups 1,2,3 at 11:25am)</td>
<td></td>
<td>Homework 04B</td>
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<tr>
<td>14</td>
<td>Tuesday</td>
<td>3/9</td>
<td>VIN 287</td>
<td>Exam I Review</td>
<td></td>
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<tr>
<td>15</td>
<td>Thursday</td>
<td>3/11</td>
<td>VIN 287</td>
<td>EXAM I</td>
<td></td>
<td></td>
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<tr>
<td>16</td>
<td>Tuesday</td>
<td>3/16</td>
<td>VIN 287</td>
<td>9.1-3</td>
<td>Stress Transformation, Principal Stresses</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Thursday</td>
<td>3/18</td>
<td>VIN 287</td>
<td>9.4-5</td>
<td>Mohr’s Circle; Lab 03  (Groups 1,2,3)</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Friday</td>
<td>3/19</td>
<td>ONLINE</td>
<td>10.1-2; 10.5-6</td>
<td>Mohr’s Circle for 3D Stresses, Strain Transformation and Gages</td>
<td>Lesson 12</td>
</tr>
<tr>
<td>19</td>
<td>Tuesday</td>
<td>3/23</td>
<td>VIN 287</td>
<td>10.7</td>
<td>Failure Theories; Lab 03 (Groups 4,5,6)</td>
<td>Homework 05</td>
</tr>
<tr>
<td>20</td>
<td>Thursday</td>
<td>3/25</td>
<td>HSEL 109</td>
<td>Lab 04A: Concrete Mixing Day (All Groups)</td>
<td>Lab 01; Lab 03</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Tuesday</td>
<td>3/30</td>
<td>VIN 287</td>
<td>6.1-3</td>
<td>V, M Diagrams</td>
<td>Homework 06; Homework 07</td>
</tr>
<tr>
<td>22</td>
<td>Thursday</td>
<td>4/1</td>
<td>VIN 287</td>
<td>6.4-5</td>
<td>Bending Stresses I; Lab 05A</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Tuesday</td>
<td>4/6</td>
<td>VIN 287; HSEL 104</td>
<td>6.4-5</td>
<td>Bending Stresses II; Lab 05B (Groups 4,5,6)</td>
<td>Homework 08</td>
</tr>
<tr>
<td>24</td>
<td>Thursday</td>
<td>4/8</td>
<td>VIN 287; HSEL 104</td>
<td>10.7</td>
<td>Exam II Review; Lab 05B (Groups 1,2,3)</td>
<td>Lab 04A; Homework 09</td>
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<tr>
<td>25</td>
<td>Tuesday</td>
<td>4/13</td>
<td>VIN 287</td>
<td>12.1-2; 12.7</td>
<td>Beam Deflections</td>
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<tr>
<td>26</td>
<td>Thursday</td>
<td>4/15</td>
<td>VIN 287</td>
<td>EXAM II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Tuesday</td>
<td>4/20</td>
<td>VIN 287</td>
<td>7.1-2</td>
<td>Shear Stresses</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Thursday</td>
<td>4/22</td>
<td>HSEL 109</td>
<td>Lab 04B: Concrete Cylinder Tests (Groups 4,5,6 at 10:30am, Groups 1,2,3 at 11:25am)</td>
<td>Lab 04B; Homework 10; Lab 05</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Tuesday</td>
<td>4/27</td>
<td>VIN 287; HSEL 104</td>
<td>8.1</td>
<td>Pressure Vessels; Lab 06 (Groups 1,2,3)</td>
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<td>30</td>
<td>Thursday</td>
<td>4/29</td>
<td>VIN 287; HSEL 104</td>
<td>13.1-3</td>
<td>Buckling; Lab 06 (Groups 4,5,6)</td>
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<td>31</td>
<td>Tuesday</td>
<td>5/4</td>
<td>VIN 287</td>
<td>8.2; 11.1-4</td>
<td>Combined Loadings</td>
<td>Homework 11</td>
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<td>Lesson</td>
<td>Day</td>
<td>Date</td>
<td>Room</td>
<td>Text</td>
<td>Notes/Topic</td>
<td>Assignment Due</td>
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<td>23, 24</td>
<td>Thursday</td>
<td>5/6</td>
<td>VIN 287</td>
<td>Final Review; AMechanics Race</td>
<td>Homework 12; Lab 04B</td>
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<td>Tuesday</td>
<td>5/11</td>
<td></td>
<td>Final EXAM, 10:30am-12:30pm</td>
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15: End Notes

1  https://www.angelo.edu/live/profiles/6463-anthony-battistini
2  https://blackboard.angelo.edu/
4  https://www.angelo.edu/live/profiles/6463-anthony-battistini
5  https://www.angelo.edu/current-students/registrar/final.php
6  https://www.angelo.edu/current-students/student-handbook/
7  https://www.angelo.edu/academics/catalog/
8  https://www.angelo.edu/current-students/disability-services/
9  http://www.angelo.edu/incident-form
10 https://www.angelo.edu/current-students/title-ix/
11 http://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of
12 https://www.angelo.edu/content/files/14197-op-1011-grading-procedures
14 http://www.angelo.edu/student-handbook/community-policies/academic-integrity.php
15 https://www.angelo.edu/current-students/writing-center/academic_honesty.php