

Instructor: Jag Kasichainula, Jag_kasichainula@ncsu.edu Room: 3056 Engineering Building I

Class Hours: Mondays and Wednesdays: 1:30 to 2:45 PM.

Attendance is not compulsory. Please make sure you will be available during the class time on the test dates.

OFFICE HOURS: Mondays and Wednesdays : 12:30 to 1:30 PM or any time needed for Campus participants Via Zoom.

4:00 to 5:00 PM for distance participants. You may also send an e-mail or reach me by message board. Please inform me ahead of time to see me or have a zoom meeting.

EOL Participants may reach me from 4 to 5 PM by e-mail or message board. Please inform me beforehand that you will be calling me so that I will remain in the Lab during that time.

DISCLAIMER: Information in this syllabus is subject to changes and the possession of it does not ensure that you have all the correct information required to successfully complete the semester. Announcements of changes will be made and students are responsible for obtaining additional information by attending class.

University stipulated addition to syllabus:

As a student you may experience a range of personal issues that can impede learning, such as strained relationships,

increased anxiety, alcohol/drug concerns, feeling down, difficulty concentrating and/or lack of motivation. These

mental health concerns or stressful events may lead to diminished academic performance and may impact your

ability to participate in daily activities. It is very important that you have a support system and that you ask for

help when you are struggling. The Counseling Center at NC State offers confidential mental health services for

full time NC State students, including same-day emergency services. Please visit <https://counseling.dasa.ncsu.edu/>

to get connected.

Schedule: Online class evaluations will be available for students to complete during the last 2 weeks of the semester for full semester courses and the last week of shorter sessions. Evaluations then become unavailable at 8 am on the first day of finals for full semester courses and the last day of classes for shorter session courses.

For the Spring first eight week session courses, evaluations will be available:

8 am February 21st, 2023 through 8 am February 28th, 2023

For the Spring second eight week session courses, evaluations will be available:

8 am April 17th, 2023 through 8 am April 24th, 2023

For Spring full semester courses, evaluations will be available:

8 am April 13th, 2023 through 8 am April 27th, 2023

Students will receive an email message directing them to a website where they can login using their Unity ID and complete evaluations. All evaluations are confidential; instructors will not know how any one student responded to any question, and students will not know the ratings for any instructors.

Evaluation website: <http://go.ncsu.edu/cesurvey> 

Help desk: classeval@ncsu.edu

POLICIES AND PROCEDURES

- 1. All students must have access to the EOS computing system.**
- 2. Attendance is not compulsory. Absences and late or missed assignments can be excused as defined in NCSU's attendance policy. Any arrangements for making up missed work must be made with the instructor at least 48 hours in advance for non-emergency excused absences and immediately upon your return to class for emergency absences. In all cases, contact the instructor prior for non-emergency absences or as soon as possible for emergency absences to receive an excused absence. Verification of all absences will be required. If a student misses a class and doesn't contact the instructor regarding making up the work a zero for the assignment will be given. For complete attendance and excused absence policies, please see <http://policies.ncsu.edu/regulation/reg-02-20-03>**
- 3. Take home assignments must be completed individually. Students are required to comply with the university policy on academic integrity found in the Code of Student Conduct found at <http://policies.ncsu.edu/policy/pol-11-35-01>. Cheating and plagiarism will result in loss of credit for the assignment in question and filing of the Report of an Academic Integrity Violation.**
- 4. Students are responsible for reviewing the policies, regulations and rules (PRRs) which pertain to their course rights and responsibilities. These include: <http://policies.ncsu.edu/policy/pol-04-25-05> (Equal Opportunity and Non-Discrimination Policy Statement), <http://oied.ncsu.edu/oied/policies.php> (Office for Institutional Equity and Diversity), <http://policies.ncsu.edu/policy/pol-11-35-01> (Code of Student Conduct), and <http://policies.ncsu.edu/regulation/reg-02-50-03> (Grades and Grade Point Average).**
- 5. Electronically-Hosted Course Components. Students may be required to disclose personally identifiable information to other students in the course, via electronic tools like email or web-postings, where relevant to the course. Examples include online discussions of class topics, and posting of student coursework. All students are expected to respect the privacy of each other by not sharing or using such information outside the course.**
- 6. Accommodation: Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, students must register with the Disability Resource Office at Holmes Hall, Suite 304, Campus Box 7509, 919-515-7653. For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation (REG02.20.01) (<https://policies.ncsu.edu/regulation/reg-02-20-01/>).**
- 7. Non-Discrimination Policy. NC State provides equal opportunity and affirmative action efforts, and prohibits all forms of unlawful discrimination, harassment, and retaliation ("Prohibited Conduct") that are based upon a person's race, color, religion, sex (including pregnancy), national origin, age (40 or older), disability, gender identity, genetic information, sexual orientation, or veteran status (individually**

and collectively, "Protected Status"). Additional information as to each Protected Status is included in NCSU REG 04.25.02 (Discrimination, Harassment and Retaliation Complaint Procedure). NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at <http://policies.ncsu.edu/policy/pol-04-25-05> or <https://oied.ncsu.edu/divweb/>. Any person who feels that he or she has been the subject of prohibited discrimination, harassment, or retaliation should contact the Office for Equal Opportunity (OEO) at 919-515-3148.

Requirements for Credit-Only (S/U) Grading. The grade of "S" will be given if 70 % of grade is achieved.

Requirements for Auditors (AU). Information about and requirements for auditing a course can be found at <http://policies.ncsu.edu/regulation/reg-02-20-04>.

Policies on Incomplete Grades. If an extended deadline is not authorized by the Graduate School, an unfinished incomplete grade will automatically change to an F after either (a) the end of the next regular semester in which the student is enrolled (not including summer sessions), or (b) by the end of 12 months if the student is not enrolled, whichever is shorter. Incompletes that change to F will count as an attempted course on transcripts. The burden of fulfilling an incomplete grade is the responsibility of the student. The university policy on incomplete grades is located at <http://policies.ncsu.edu/regulation/reg-02-50-03>. Additional information relative to incomplete grades for graduate students can be found in the Graduate Administrative Handbook in Section 3.18.F at http://www.fis.ncsu.edu/grad_publicns/handbook/

COVID-related information .

The following information is provided by University.

Due to the COVID-19 pandemic, public health measures continue to be implemented across campus. Students should stay current with these practices and expectations through the Protect the Pack website (<https://www.ncsu.edu/coronavirus/>). The sections below provide expectations and conduct related to COVID-19 issues.

Health and Participation in Class

We are most concerned about your health and the health of your classmates and instructors/TAs.

If you test positive for COVID-19, or are told by a healthcare provider that you are presumed positive for the virus, you should not attend any face-to-face (F2F) classes or face-to-face component of a hybrid class. Work with your instructor on any adjustments necessary; also follow other university guidelines, including self reporting (Coronavirus Self Reporting): Self-reporting is not only to help provide support to you, but also to assist in contact tracing for containing the spread of the virus.

If you feel unwell, even if you have not been knowingly exposed to COVID-19, please do

not come to a F2F class or activity.

If you are in quarantine, have been notified that you may have been exposed to COVID-19, or have a personal or family situation related to COVID-19 that prevents you from attending this course in person (or synchronously), please connect with your instructor to make alternative plans, as necessary.

If you need to make a request for an academic consideration related to COVID-19, such as a discussion about possible options for remote learning, please talk with your instructor.

Health and Well-Being Resources

These are difficult times, and academic and personal stress are natural results. Everyone is encouraged to take care of themselves and their peers. If you need additional support, there are many resources on campus to help you:

Counseling Center (NCSU Counseling Center)

Student Health Services (Health Services | Student)

If the personal behavior of a classmate concerns or worries you, either for the classmate's well-being or yours, we encourage you to report this behavior to the NC State CARES team: (Share a Concern).

If you or someone you know are experiencing food, housing or financial insecurity, please see the Pack Essentials Program (Pack Essentials).

Community Standards related to COVID-19

We are all responsible for protecting ourselves and our community. Please see the community standards and Rule 04.21.01 regarding Personal Safety Requirements Related to COVID-19

RUL 04.21.01 – Personal Safety Requirements Related to COVID-19 – Policies, Regulations & Rules

Course Expectations Related to COVID-19:

Face Coverings: All members of the NC State academic community are expected to follow all university policies and guidelines, including the Personal Safety Rule and community standards, for the use of face coverings.

□ **Course Attendance:** NC State attendance policies can be found at: **REG 02.20.03 – Attendance Regulations – Policies, Regulations & Rules**. Please refer to the course’s attendance, absence, and deadline policies for additional details. If you are quarantined or otherwise need to miss class because you have been advised that you may have been exposed to COVID-19, you should not be penalized regarding attendance or class participation. However, you will be expected to develop a plan to keep up with your coursework during any such absences. If you become ill with COVID-19, you should follow the steps outlined in the health and participation section above.

□ **Technology Requirements:** This course may require particular technologies to complete coursework. Be sure to review the syllabus for these expectations, and see the syllabus technical requirements for your course. If you need access to additional technological support, please contact the Libraries’ Technology Lending Service: (Technology Lending).

Course Delivery Changes Related to COVID-19

Please be aware that the situation regarding COVID-19 is frequently changing, and the delivery mode of this course could change accordingly, including from in-person to remote. Regardless of the delivery method, we will strive to provide a high-quality learning experience.

NO LONGER AVAILABLE - Grading/Scheduling Changing Options Related to COVID-19

Two policies, enhanced S/U Grading Option and Late Drop, put in place at the beginning of the COVID-19 pandemic have been discontinued.

In some cases, an option may be to request an “incomplete” in the course. If you are experiencing difficult or extenuating circumstances, you should discuss possible options with your instructor and your academic advisor.

Need Help?

If you find yourself in a place where you need help, academically or otherwise, please review these Step-by-Step Help Topics. In addition, the following College of Engineering individuals are very available to assist students with any matter, please reach out to them:

-Dr. Laura Bottomley, Women and Minority Engineering Program, laurab@ncsu.edu

-Ms. Angelitha Daniel, Women and Minority Engineering Program, aldaniel@ncsu.edu

-Dr. David Parish, COE Assistant Dean, dwparish@ncsu.edu

-Dr. Jerome Lavelle, COE Associate Dean, jplavell@ncsu.edu

Other Important Resources

Keep Learning: Keep Learning

Protect the Pack FAQs: Frequently Asked Questions | Protect the Pack

NC State Protect the Pack Resources for Students: Resources for Students | Protect the Pack

Academic Success Center (tutoring, drop in advising, career and wellness advising): Academic Success Center.

NC State Keep Learning, tips for students opting to take courses remotely: Keep Learning Tips for Remote Learning

Introduction to Zoom for students:

<https://youtu.be/5LbPzzPbYEW>

Learning with Moodle, a student's guide to using Moodle:

<https://moodle-projects.wolfware.ncsu.edu/course/view.php?id=226>

NC State Libraries Technology Lending Program

Some other thoughts to consider for your syllabus or course website:

Note the syllabus regulation has information about digitally-hosted components, which includes the use of zoom and also classroom recordings. Please also refer to the 'student privacy' section of the Keep Teaching FAQ: <https://provost.ncsu.edu/faculty-resources/keep-teaching/faqs/>.

For remote exams: be very clear about what is allowed and not allowed. See, for example, the ST 311 situation where many students used Chegg.

http://www.technicianonline.com/news/article_308a42f6-caf0-11ea-bc0e-2332ae88e82a.html

If you plan to use exam proctoring: "This course may require proctored/ monitored exams. A request for in-person exam proctoring on campus has been submitted to

DELTA Testing Services. This information will be updated with further instructions once the availability of in-person exam proctoring on campus has been confirmed. This update may take place after the start of the semester.”

□ If gloves are recommended for use (such as in a computer lab): how to properly remove your gloves: https://www.youtube.com/watch?v=xTYioOo__6U

□ Hand hygiene: Wash your hands frequently with soap and water for at least 20 seconds.

o Follow proper hand-washing techniques, here is one example:

<https://www.youtube.com/watch?v=bQCP7waTRWU>

o If soap and water are not immediately available, use an alcohol-based hand-sanitizer containing $\geq 60\%$ alcohol.

Course description:

An introduction to the mechanical behavior of engineering materials

Prerequisite(s): Mechanical Properties of materials, MSE 450

Textbook(s) and/or other required material: See Introduction

You can access Class notes and Video recordings at the EOL site by going to

<https://www.engineeringonline.ncsu.edu/course/mse-705-mechanical-behavior-of-engineering-materials-2/?display=course-home>

Panopto recordings are found by going to the following and checking for MSE 705

<https://ncsu.hosted.panopto.com/Panopto/Pages/Sessions/List.aspx#>

Course overview

Policies and Procedures: Visit the course site on Policies

Handicapped participants: Visit the course site on Policies

Syllabus (Daily) for regular semester (for summer session see further below). The lecture number given below is from the course website (wolfware.ncsu.edu or moodle site) Lecture Notes and not from the EOL lecture notes.

Lecture #	Date	Lecture Number in the Class Notes	Objective
1	01/08	lecture 1	Introduction Lecture 1
2	01/10	lecture 2	
3	01/17	lecture 3	Lecture 3
4	01/22	lecture 4	Lecture 4
5	01/24	lecture 5	Lecture 5
6	01/29	lecture 6	Lecture 6
7	01/31	lecture 7	Lecture 7
8	02/05	lecture 8	Lecture 8
9	02/07	lecture 9	Lecture 9
10	02/12	lecture 10	Lecture 10
11	02/14	lecture 11	Lecture 11
12	02/19	lecture 12	Lecture 12
13	02/22	lecture 13	Lecture 13
14	02/26	lecture 14	Lecture 14
15	02/28	lecture 15	Lecture 15
16	03/04	lecture 16	Lecture 16
17	03/06	lecture 17	Lecture 17
	Spring break March 11-15		
19	03/18	Lecture 18	Lecture 18
20	03/20	Test 2 Lecture 19	Test 2 Take Home Test Lecture 19

21	03/25	Lecture 20	Lecture 20
22	03/27	Lecture 21	Lecture 21
23	04/01	Lecture 22	Lecture 22
24	04/03	Lecture 23	Lecture 23
25	04/08	Lecture 24	Lecture 24
26	04/10	Lecture 25	Lecture 25
27	04/15	Lecture 26	Lecture 26
28	04/17	Lecture 27	Lecture 27
29	04/22	Test 3 Lecture 28	Test 3 Take Home Lecture 28
Final Exam	05/01 12 to 2:30		Final- Covers all material