

Nuclear Power Plant Reactor Systems 1
ENU 4144, Section 2B45, Spring 2022
T 1250-1340 (UF Period 6), McCarthy A 3194
R 1250-1445 (UF Periods 6-7), McCarthy A 2186
Final Exam: April 27, 2022, 1730-1930

1 Instructor

DuWayne Schubring, Instructional Associate Professor
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352-294-7870

dlschubring@ufl.edu (Note: The Canvas “Inbox” feature *is not* e-mail. Messages sent via that system will not be acknowledged.)

1.1 Office Hours

Tentative Schedule: (Will Be Finalized NLT January 7): T 1400-1530, W 1230-1430, R 1600-1630, F 1330-1430, and by appointment. Beginning and end times of office hours will be enforced strictly.

There are no Friday office hours on January 28, February 25, or April 1. There are no office hours on days on which no UF classes are held, including spring break and reading days.

Office hours are held in a hybrid format, with online availability via the following Zoom link: <https://ufl.zoom.us/j/9057355922>

At the beginning of a hybrid office hour block, all those in line in person at the start of the office hour block will be addressed first, followed by those on Zoom who have been there since the start of the office hour block. If there is a line, Thursday office hour visits are limited to 5 minutes per student or pair and 10 minutes for larger groups. On other days with a line, visits are limited to 10 minutes regardless of the size of your group. (If you have further questions, you may go to the back of line and potentially return.) Once both lines are cleared, I will continue on a first-come, first-served basis with no preference for in-person (or Zoom).

For Zoom attendees: if you are in a private space (e.g.; your own house or apartment, a dorm room, etc.), please turn your camera off. If you are in a public space (e.g.; unused classroom, outdoors at UF), your camera status is at your discretion.

2 Description

Three one-hour lectures discussing the basis for light water reactor (LWR) design; the NRC design criteria for LWRs. Study of the major systems, components and performance characteristics of LWRs including fuels, primary and secondary coolant systems, emergency and auxiliary systems.

3 Prerequisites

EML 3100 and ENU 4605 and ENU 4001 with minimum grades of C.

4 Course Objectives

Following successful completion of this course, the student will have developed an understanding of the domestic nuclear power industry, including:

- Understand the current status of the nuclear power industry.
- Understand how the General Design Criteria (GDC) and Quality Assurance Criteria (QAC) affect nuclear power plant design, construction and operation.
- Be able to describe the nuclear power plant licensing process and the Nuclear Regulatory Commission (NRC) organizational structure and functions.
- Understand and be able to discuss the codes and standards applicable in the design, construction, licensing and operation of a nuclear power plant.
- Understand and be able to describe and compare in detail the reactor core, reactor coolant system, and auxiliary systems including engineered safeguards as well as reactor control, protection and instrumentation systems for typical PWR and BWR nuclear power plants.
- Understand and be able to discuss and compare the relative merits of PWRs and BWRs including comparisons with projected new plants where applicable.

5 Student Outcomes Supported by Course

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics (medium coverage)
2. n/a
3. an ability to communicate effectively with a range of audiences (medium coverage)
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts (high coverage)
5. n/a
6. n/a
7. n/a

6 No Textbook

7 Course Outline and Schedule

There are 5 blocks for the course, with Blocks 3 and 4 interwoven in time.

- Block 1 – The United States Federal Government and Nuclear Power
- Block 2 – The Pressurized Water Reactor (PWR)
- Block 3 – Reactor Accidents
- Block 4 – The Boiling Water Reactor (BWR)
- Block 5
 - Light Water Reactor Containment
 - Spent Fuel Systems at Nuclear Power Plants
 - The Future of the LWR (AP 1000, EPR, ABWR, ESBWR, Small Modular Reactors)

Wk	Day	Date	Due	Material
1	R	6 Jan		Syllabus and Course Policies Block 1 – Introduction to the LWR, Atomic Energy Commission, and Department of Energy
1	T	11 Jan		Block 1 – Nuclear Regulatory Commission & Regulatory Framework in the USA
2	R	13 Jan	HW 1	Block 1 – Code of Federal Regulations
3	T	18 Jan		Block 1 – Standards and Codes
3	R	20 Jan	HW 2	Block 1 – Licensing of Reactors
4	T	25 Jan		Block 2 – PWR Core
4	R	27 Jan	Exam 1	Exam 1
5	T	1 Feb		Block 2 – PWR Core
5	R	3 Feb	HW 3	Block 2 – PWR Primary Circuit
6	T	8 Feb		Block 2 – PWR Secondary Circuit
6	R	11 Feb	Report 1	Block 2 – PWR Instrumentation & Controls, Auxilliary Systems, and Accident Mitigation
7	T	15 Feb		Block 2 – PWR Wrap Up
7	R	17 Feb	HW 4	Block 3 – An Overview of LWR Accidents
8	T	22 Feb		Block 3 – Three Mile Island 2
8	R	24 Feb	Exam 2	Exam 2
9	T	1 Mar		Block 4 – BWR Core
9	R	3 Mar	HW 5	Block 4 – BWR Core and Primary Circuit
10	T	15 Mar		Block 4 – BWR Stability
10	R	17 Mar	HW 6	Block 4 – BWR Instrumentation & Controls, Auxilliary Systems, and Accident Mitigation
11	T	22 Mar		Block 3 – Fukushima Accident
11	R	24 Mar	HW 7	Block 3 – Fukushima Accident & Accident Liability
12	T	29 Mar		Block 5 – Light Water Reactor Containment
12	R	31 Mar	Exam 3	Exam 3
13	T	5 Apr		Block 5 – Spent Fuel Systems at Nuclear Power Plants
13	R	7 Apr	Report 2	Report 2 Presentations
14	T	12 Apr		Block 5 – Introduction to Generation III/III+
14	R	14 Apr	HW 8	Block 5 – Specific Generation III/III+ Reactors AP 1000, EPR, ABWR, ESBWR
15	T	19 Apr		Block 5 – Small Modular (Light Water) Reactors
15	W	20 Apr	HW 9	No Class (11:59 pm Deadline Only)
16	R	27 Apr	Exam 4	Exam 4

The day-by-day outline of lecture coverage is to be taken as a draft. HW and Report deadlines will not be moved earlier, but may be moved later. Exam dates will not change, barring university closure or significant coverage delays.

8 Grading

There are 900 total, equally-valuable points in the course.

- Exam 1 – 125 points
- Exam 2 – 125 points
- Exam 3 – 125 points
- Exam 4 – 125 points
- HW – 270 points (9 assignments, each 30 points)
- Report 1 – 60 points
- Report 2 – 70 points

The final grades will be assigned based on:

- A: 87%+
- A-: 85-86.99%
- B+: 83-84.99%
- B: 75-82.99%
- C: 67-74.99%
- E: < 67%

Please note the following:

1. I reserve the right to grant higher grades at the end of the course at my sole discretion, including the use of B- and C+. Under no circumstances will grades of C- or any flavor of D be used.
2. No single assignment or exam exceeds 14% of your course grade. This emphasizes consistent performance in this course, limits the deleterious effect on your grade of a single poor exam, and allows this course to be conducted without privacy-violating proctoring methods.
3. Grading in this course is plus-based. That is, I award you points based on correct steps, rather than deducting points for errors. As a result, a question such as, “Dr. Schubring, why did you take off 2 points here?” is both presumptuous and nonsensical, since you never had the points.
4. There is no general protection against double jeopardy. Points are often allocated, particularly on exams, to each specific step and to obtaining the final, correct answer in each problem – a single error will prevent you from earning points at that step and for the final answer.
5. Under no circumstances will a homework be accepted after solutions have been released. If you have any form of excuse/accommodation that delays your due date until after the release of solutions, that will be taken as an excused homework for you. The weighting of your other homework will then be increased to ensure homework remains 30% of your course grade.
6. Per UF policy, grades are entered into Canvas to enable you to look up grades quickly. These grades are manually copied from other documents. I reserve the right to correct data-entry errors, as well as other errors, until finalization of grades with the registrar.

More information on UF grading policy may be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

8.1 Grade Appeal

All appeals of grades, including those from clerical/grade-calculation errors, must be made within 1 week of return. (This may be modified for specific assignments near the end of the term. I will announce this via e-mail as needed.) Appeals will be considered for clerical errors, addition errors, and inconsistent scoring. Grade appeals will not be entertained if you simply do not like that (for example) Part 1 was worth only 2 points with Part 2 worth 5.

It is inevitable that scoring of essay answers is somewhat subjective; a margin of error of one point per line-item is applied for this reason. That is: if you receive a grade of 7/10 on an essay-like question, only those appeals that propose a grade of 9/10 or better will be considered.

Grade appeals must be provided in the following format:

- Provide, in PDF format only, a written summary of which problem(s) or part(s) you believe were graded inaccurately. Be as specific as possible.
- Send your appeal in the form of an e-mail with “ENU 4134” or “ENU 6135” (select the one corresponding to the class you are in) and “Grade Appeal” in the subject line.

You will be informed of the result of your appeal via e-mail reply.

If I believe you are not acting in a good faith belief that more points are deserved, I will deem the appeal frivolous. Requests to change an essay-like line-item by only one point will also be considered frivolous. Following two frivolous appeals, your grade appeal privilege through this method will be *revoked*. Further appeals must be done through the petitions process, which requires formal paperwork and department/program level involvement.

9 Attendance & Class Conduct

Skip at your peril. Attendance is not considered in the grade. Pursuant to HWCOE policy, the following statement is required: Excused absences are consistent with university policies in the undergraduate catalog

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>
and require appropriate documentation.

However, some materials in the course will not be covered in the notes provided online – only in class. Students are responsible for these materials.

I reserve the right to take attendance to prioritize e-mail assistance.

9.1 Make-Up Work Policies

Late-work excuses (extensions) can be grouped into the categories of *professional*, *medical*, and *personal*.

Professional: Reasonable extensions for job/internship interviews, technical conferences, or other professional/career development reasons should be requested. Most requests are granted, excluding those that provide a student or group of students an unfair advantage, cause significant disruption to the course or grading schedule, or violate some UF policy.

Medical: Extensions will also be granted for (your own) medical reasons – please do not come to class if you are ill. Per UF policy, in the case of medical issues that are frequent or suspiciously-timed (*e.g.*; you are repeatedly, suddenly ill at deadlines), I may request a signed note from a physician or similar professional practitioner.

Personal: In addition, UF policies require accommodation for several non-academic, non-medical reasons. Extensions for these personal issues are generally limited to those mandated by the letter of UF policies. The list of UF-approved personal reasons changes from time to time. If you have a question regarding your personal issue and if it qualifies under one of the excused absence/late-work policies, contact me in advance.

All requests for extensions, including excused absences from exams, must be submitted in writing, preferably via e-mail.

The 12-day rule will be enforced strictly. Note that the count of days is based on a per-student, not per-approved-activity basis.

One UF-allowed personal reason for absence or extension is “serious family emergencies”, as provided in the undergraduate catalog. No definition of “family” is provided. Therefore, the following people shall be taken as included as “family” for the purposes of this course:

- Spouse, domestic partner, great-grandparent, grandparent, parent, brother, sister, child, grandchild, or the grandparent, parent, brother, sister, child, grandchild, or great-grandchild of the student’s spouse or domestic partner, or the spouse or domestic partner of any of them. This also includes individuals for whom the student is the current legal guardian. These are based on the UF definition of “immediate family”, which can be accessed at:
http://benefits.hr.ufl.edu/wp-content/uploads/sites/3/2018/05/immediate_family_defs.pdf
 Note that the term “domestic partner” does not apply automatically to any partner with whom you cohabitate (formal registration with UF is required).
- Your own aunt/uncle, great-aunt/uncle, nibling (niece or nephew), or great-nibling.

More distant relatives (a cousin, your spouse’s nibling, etc.), partners (excluding spouse or domestic partner), and pets are not included. Minor illnesses (guideline: anything meriting home care only or care at a walk-in clinic, as opposed to an ER) of family members, including minor children, do not count as serious family emergencies, nor do events such as birthdays, anniversaries, weddings, etc.

I reserve the right to grant extensions for other personal reasons as *rare exceptions to the rule* at my sole discretion – advance notice gives you the best chance at a favorable decision. The approval of an extension does not establish precedent for you (notably, there are some scenarios that I may accommodate only once) or for other students with similar circumstances.

Political activities, including protests, demonstrations, and the like are considered personal matters and not generally permitted as reasons for extensions. This includes activities related to nuclear engineering or nuclear power. Exceptions: (1) A student who is pursuing nuclear-related (whether pro- or anti-) politics as a career path may be granted extensions, at my discretion, on condition of providing evidence of *bona fide* efforts to secure a full-time position or to secure admission to a relevant, non-STEM degree-granting graduate program and (2) activities that are connected to the 2022 ANS Student Conference between April 14 and April 17 will be taken as related to that professional activity and potentially grounds for extensions.

Further, be advised that any approved reasons for extensions do not reduce the amount of work you are expected to complete, but merely rearranges the timing. For those issues that are predictable (interview, holidays, etc.), you should work ahead to avoid disruption.

10 Homework and Reports

Homework and reports are due at the beginning of class on the day indicated, which is planned to be every Thursday without an Exam. The only other deadlines will be HW 9 (due at 11:59 pm on Wednesday, April 20 – literally the last minute UF policy permits) and the Final Exam (scheduled by the registrar). If you need assistance on HW or a Report, you should ask by 1430 on the preceding day (Wednesday) – last minute requests for rescue may go unanswered.

Excluding the make-up work policies, above, no late homework will be accepted.

Homework and reports must be submitted electronically (via Canvas) or in hard copy. The following restrictions apply for electronic submissions:

- Submissions may include multiple files, but only files with the following extensions will be accepted: pdf, xls, xlsx, and .txt.
- If multiple students in a group independently submit electronically, the submission by the student whose name is listed first on the assignment that I post to Canvas, which is selected at random, will take precedence. You may not have one student submit some parts of the HW or Report, while another group member submits other parts.

For handwritten homework, use pencil or black/dark-blue ink and either white paper (lined or not) or engineering paper. If you choose the combination of pencil and (yellow) engineering paper, write largely/clearly enough to be easily readable. Homework on other paper or with other writing instruments will be accepted, but you will earn no credit for homework that is not readable. For electronic submissions, make sure the scan quality is sufficient to ensure readability.

The onus is on you to submit the solutions in the documents or files presented. No credit will be granted if the wrong document is handed in or the wrong file uploaded.

The Reports must be written using word processing or typesetting software. Professional document and figure standards will be enforced the reports. *The onus is on you to figure out how to meet these standards in whatever programs you use to write the document and make figures.* I have exactly zero sympathy for those who select a word processor without knowing how to format their text using it – complaints that the standards are not the same as a particular piece of software's defaults will fall on deaf ears.

Planned Homework Topics:

1. AEC, NRC, DOE
2. CFR
3. PWR (Basics)
4. PWR (Secondary Circuit and/or Instrumentation and Controls)
5. Framework for LWR Accident Analysis
6. BWR (Core and/or Primary Circuit)
7. BWR (Instrumentation and Controls and/or Auxiliary Systems)
8. Containment and/or Spent Fuel
9. Generation III/III+ Reactors and/or SMRs

In Report 1 (an individual assignment), you will be tasked with showing a fairly complex calculation relating to the PWR Core. As part of this activity, you will learn how to identify, document, and justify assumptions as well as how to write up a calculation that can be read, understood, and confirmed by another engineer.

In Report 2 (a group assignment, usually in groups of three with 1-2 groups of two if needed), you will apply the accident analysis framework for the LWR to a specific nuclear accident.

10.1 Collaboration

This class will include a group project (Report 2) and may also include a small number of group homework assignments.

The ground rules for collaboration should be decided by each group through compromise and consensus. However, regardless of the preferences of the group as a whole, each student retains the individual right to privacy and to maintain good mental and physical health. To this end, no student shall be compelled:

- To join a real-name social networking site or modify their existing use of such a site, or
- To accept a 24/7 or other onerous on-call policy.

That is: each member holds a unilateral veto on using Facebook (or some such) for your group's work or for being contacted at all hours of the day and night.

Inter-personal issues within your group stemming from deciding group rules must be brought to me *promptly* for arbitration. This arbitration will focus on the guidelines above and in forming an equitable compromise (essentially, equal marginal/new inconvenience) among group members and not on determining whose activities outside this course (including personal pursuits, situations, and choices) are more meritorious.

No collaboration between groups is permitted.

11 Examinations

*Examination policies have been subject to frequent changes due to the COVID-19 situation. The text below represents my intent as of the date this syllabus was written. However, be advised that if **any** UF exam policies change during the term, I reserve the right to change **all** class exam policies to accommodate the new constraint(s), while minimizing the disruption and additional labor demanded of students (and myself). I will make every reasonable effort to ensure that the use of privacy-violating proctoring software **will not be required** in this course.*

If you need accommodations on Examinations, please contact the Disability Resource Center (see Section 13.1) at the beginning of the term to make the appropriate arrangements.

- Exam 1: Block 1
- Exam 2: Block 2
- Exam 3: Block 3 (Framework and Liability only; nothing on specific accidents) and Block 4
- Exam 4: Block 5 and up to 50% cumulative material.

For each exam, you will receive an Exam Preview, intended to prepare you for taking the exam (both technically and procedurally). Detailed policies (including grading/curving) are included on this document. The preview will also include the specific topics addressed by the problem (for most problems), the way points are distributed among problems, and a brief list of topics within the scope of the exam.

Examinations are due at the end of the examination period. No collaboration is permitted during examinations, although you may prepare for these however you choose.

The criteria for make-up exams are the same as for extensions to other assignments. All make-up exams will be held after the regular exam, as organized with me. Note that conflicts in my proposed make-up times with your personal business will not, in general, be accommodated.

Exams 1, 2, and 3 will be synchronous exams, taken during the Thursday classes indicated in the schedule, above. These examinations are due at the end of the examination period. Exam 4 may be either a fourth synchronous exam or a take-home exam due at the beginning of the exam block – I will make this determination not later than April 1.

UF policy restricts make-up finals to Friday, April 29, 1500-1700, barring a conflict at that time with another make-up in a course of higher number. This rule applies regardless of your personal business, such as travel times. I strongly discourage you from making hard-to-change travel plans such as flight reservations before Friday evening.

In the unlikely event you (1) are unable to complete the exam at the time originally scheduled for allowed reasons, (2) are unable to make the UF-appointed make-up exam time for allowed reasons, (3) do not make-up the exam at some other time prior to the finalization of grades on May 3, and (4) are on pace to pass the course, you will receive a grade of I (Incomplete). In the (also unlikely) case that the first three of these conditions apply but you were on pace to fail the course, UF policy requires that I assign a failing grade with the notation that you stopped participating before the end of the term. This may have implications on financial aid beyond a simple “E” grade.

12 Other Course Policies

12.1 Changes to Syllabus

Changes to this syllabus will be provided via the Canvas platform. Such changes may include those required by policy changes, my travel, changes in the speed of course coverage, university closure, errors in previous syllabus versions, and other reasons.

12.2 Electronic Communication

The primary means of communication with the class outside of class time will be e-mail listservs. There is one listserv for each section of the class; except for those e-mails that relate only to face-to-face students, all messages will be sent to both listservs (unless the enrollment of one section or the other drops to zero). These listservs will send to your @ufl.edu address only. Any inquiries regarding grading will be directed towards your @ufl.edu address only, per FERPA .

Technical and procedural questions will be answered as a reply to whatever e-mail address you used to send them. If the entire class will benefit from the answer, I may send to the class listservs (either in lieu of or in addition to a direct reply to you, at my discretion). If you do not wish to have a specific e-mail to me regarding technical content or course procedures replied to through the class listservs, you must explicitly state this in that e-mail. In such a case, I will reply directly to you and send a general-purpose announcement to the class listservs, not indicating who caused me to send it.

When sending questions via e-mail, please make sure you provide all the information needed for me to produce an answer or solution. This includes any files on which you are working. (Note: I will not open files from students in the following formats: .ppt, .pptx, .doc, .docx; make a PDF and send that if needed.)

The Canvas platform will be used for file storage, assignment posting, and posting grades. I take no responsibility for downtime of this service, nor for actions of University of Florida staff that affect the website (including Canvas upgrades).

12.3 Letters of Recommendation/Evaluation Policy

To request a letter of recommendation/evaluation (for graduate school or otherwise), you must provide (all in a single e-mail):

- A copy of your UF transcript.
- A copy of a résumé (or CV).
- A copy of the following form with all four circles checked (requests with three or fewer circles checked will be denied):
<http://www.registrar.ufl.edu/pdf/ferparelease.pdf>.

Letters are typically filed once per week. For those of you whom I know only through coursework, my letter typically focuses on an estimate of their rank-in-class and on their performance on projects and challenging problems.

I will only file *one batch* of letters for each of you during the term. (This policy is designed to keep me from looking up slight changes in your rank/performance multiple times for multiple batches of letters.) I recommend that this batch occur as late as possible in the term to allow me sufficient information (sample size) on your performance to write a useful letter.

I reserve the right to refuse to provide a letter for anyone and am not obligated to provide a reason for such refusal.

13 Syllabus Boilerplate

The following statements were written by people other than your instructor. Questions on these items will usually be referred to the responsible level/office within the university, which will take longer than for the sections written by your instructor

13.1 Students Requiring Accommodations

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting

<https://disability.ufl.edu/students/get-started/>

It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

13.2 Course Evaluations

The University of Florida expects students to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at:

<https://gatorevals.aa.ufl.edu/students/>

Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via

<https://ufl.bluera.com/ufl/>

Summaries of course evaluation results are available to students at:

<https://gatorevals.ua.ufl.edu/public-results/>

13.3 In-Class Recording

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A “class lecture” is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor is prohibited. To “publish” means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

13.4 University Honesty Policy

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code:

<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>

specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

13.5 Commitment to a Safe and Inclusive Learning Environment

The Herbert Wertheim College of Engineering values broad diversity within our community and is committed to individual and group empowerment, inclusion, and the elimination of discrimination. It is expected that every person in this class will treat one another with dignity and respect regardless of gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture.

If you feel like your performance in class is being impacted by discrimination or harassment of any kind, please contact your instructor or any of the following:

- Your academic advisor or Undergraduate/Graduate Program Coordinator [for NE/NES students, these are both also your instructor]
- Robin Bielling, Director of Human Resources, 352-392-0903, rbielling@eng.ufl.edu
- Curtis Taylor, Associate Dean of Student Affairs, 352-392-2177, taylor@eng.ufl.edu
- Toshikazu Nishida, Associate Dean of Academic Affairs, 352-392-0943, nishida@ufl.edu

13.6 Software Use

All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

13.7 Student Privacy

There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see:

<https://registrar.ufl.edu/ferpa.html>

13.8 Campus Resources – Health and Wellness

U Matter, We Care

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact umatter@ufl.edu so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.

Counseling and Wellness Center:

<http://www.counseling.ufl.edu/cwc>, and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Sexual Discrimination, Harassment, Assault, or Violence

If you or a friend has been subjected to sexual discrimination, sexual harassment, sexual assault, or

violence contact the Office of Title IX Compliance, located at Yon Hall Room 427, 1908 Stadium Road, (352) 273-1094, title-ix@ufl.edu

Sexual Assault Recovery Services (SARS)

Student Health Care Center, 392-1161.

University Police Department at 392-1111 (or 9-1-1 for emergencies), or <http://www.police.ufl.edu/>

13.9 COVID-19

You are expected to wear approved face coverings at all times during class and within buildings even if you are vaccinated.

If you are sick, stay home and self-quarantine. Please visit the UF Health Screen, Test & Protect website about next steps, retake the questionnaire and schedule your test for no sooner than 24 hours after your symptoms began. Please call your primary care provider if you are ill and need immediate care or the UF Student Health Care Center at 352-392-1161 (or email covid@shcc.ufl.edu) to be evaluated for testing and to receive further instructions about returning to campus.

If you are withheld from campus by the Department of Health through Screen, Test & Protect, you are not permitted to use any on campus facilities. Students attempting to attend campus activities when withheld from campus will be referred to the Dean of Students Office.

UF Health Screen, Test & Protect offers guidance when you are sick, have been exposed to someone who has tested positive or have tested positive yourself. Visit the UF Health Screen, Test & Protect website for more information.

Please continue to follow healthy habits, including best practices like frequent hand washing. Following these practices is our responsibility as Gators.

13.10 Academic Resources

E-learning technical support, 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu

<https://lss.at.ufl.edu/help.shtml>

Career Resource Center, Reitz Union, 392-1601. Career assistance and counseling.

<https://www.crc.ufl.edu/>

Library Support, Various ways to receive assistance with respect to using the libraries or finding resources.

<http://cms.uflib.ufl.edu/ask>

Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring.

<https://teachingcenter.ufl.edu/>

Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers.

<https://writing.ufl.edu/writing-studio/>

Student Complaints Campus:

https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf

On-Line Students Complaints:

<http://www.distance.ufl.edu/student-complaint-process>