Data Structures & Algorithms
COP 3530 Section 15A6, 19G7, 19GG, 19HD, 1079, 6723
Academic Term: Spring 2022

Class Periods:

<table>
<thead>
<tr>
<th>Lecture</th>
<th>M, W, F</th>
<th>P8 (3 pm - 3:50 pm)</th>
<th>Live @ TUR-L007 &amp; Synchronous via Zoom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussion</td>
<td>T</td>
<td>P3 (9:35 am - 10:25 am)</td>
<td>(Section: 1079, FAC 0120)</td>
</tr>
<tr>
<td></td>
<td>T</td>
<td>P4 (10:40 am - 11:30 am)</td>
<td>(Section: 15A6, CSE E221)</td>
</tr>
<tr>
<td></td>
<td>T</td>
<td>P5 (11:45 am – 12:35 pm)</td>
<td>(Section: 19G7, CSE E221)</td>
</tr>
<tr>
<td></td>
<td>T</td>
<td>P6 (12:50 pm - 1:40 pm)</td>
<td>(Section: 19GG, CSE E221)</td>
</tr>
<tr>
<td></td>
<td>T</td>
<td>P7 (1:55 pm – 2:45 pm)</td>
<td>(Section: 19HD, CSE E220)</td>
</tr>
<tr>
<td></td>
<td>T</td>
<td>P10 (5:10 pm - 6:00 pm)</td>
<td>(Section: 6723, CSE E220)</td>
</tr>
</tbody>
</table>

Location: TUR L007 for lectures, discussion locations as above.

Instructor

Amanpreet Kapoor
kapooramanpreet@ufl.edu
Office Hours: TBD
By Appointment (Request 24 hours in advance)

Teaching Assistants/Peer Mentors

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaitlyn O'Hern</td>
<td><a href="mailto:kaitlynohern@ufl.edu">kaitlynohern@ufl.edu</a></td>
<td>Dustin Karp</td>
</tr>
<tr>
<td>Andrew Penton</td>
<td><a href="mailto:apenton@ufl.edu">apenton@ufl.edu</a></td>
<td>Andrew Kennedy</td>
</tr>
<tr>
<td>Robert Casanova</td>
<td><a href="mailto:robertcasanova@ufl.edu">robertcasanova@ufl.edu</a></td>
<td>Julia Harbord</td>
</tr>
<tr>
<td>Robin Fintz</td>
<td><a href="mailto:robinfintz@ufl.edu">robinfintz@ufl.edu</a></td>
<td>Kunyao Wang</td>
</tr>
<tr>
<td>Victoria Mei</td>
<td><a href="mailto:victoria.mei@ufl.edu">victoria.mei@ufl.edu</a></td>
<td>Michael Budko</td>
</tr>
<tr>
<td>Dhruv Patel</td>
<td><a href="mailto:dhruvpatel1@ufl.edu">dhruvpatel1@ufl.edu</a></td>
<td>Ayswarya Nandanan</td>
</tr>
</tbody>
</table>

Course Description
This course covers algorithm development using pseudo languages, basic program structures, program design techniques, storage, and manipulation of basic data structures like arrays, stacks, queues, sorting and searching, and string processing. Linked linear lists. Trees and multilinked structures. 3 Credit Hours.

Course Pre-Requisites / Co-Requisites
(COP 3504 or COP 3503) and COT 3100 and (MAC 2234 or MAC 2312 or MAC 2512 or MAC 3473), all with a minimum grade of C.

Course Objectives
By the end of the semester, students should be able to
- Choose and implement data structures for solving problems based on their functions and situational appropriateness of the application
- Choose an algorithm for solving a problem based on its computational complexity and appropriateness of the application
- Use an abstract data type to describe a data structure

Professional Component (ABET)
This course is used to assess program outcomes for these ABET criteria:
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
• an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives

**Required Textbooks and Software**
• Tools: Canvas, Slack, G++ compiler, Edugator, Lockdown browser, and Stepik

**Recommended Materials (Optional)**
• Textbook: Data Structures and Algorithm Analysis in C++

**Course Schedule (Tentative)**

<table>
<thead>
<tr>
<th>Week</th>
<th>Dates</th>
<th>Topic</th>
<th>Deadlines</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>5-Jan – 7-Jan</td>
<td>Course Introduction</td>
<td>Q_1</td>
</tr>
<tr>
<td>1</td>
<td>10-Jan – 14-Jan</td>
<td>Algorithm Analysis</td>
<td>Q_2</td>
</tr>
<tr>
<td>2</td>
<td>17-Jan – 21-Jan</td>
<td>List, Stacks, &amp; Queues</td>
<td>Q_3</td>
</tr>
<tr>
<td>3</td>
<td>24-Jan – 28-Jan</td>
<td>Trees &amp; Traversals</td>
<td>Q_4</td>
</tr>
<tr>
<td>4</td>
<td>31-Jan – 4-Feb</td>
<td>Balanced Trees 1 / Project 1</td>
<td>Q_5</td>
</tr>
<tr>
<td>5</td>
<td>7-Feb – 11-Feb</td>
<td>Balanced Trees 2</td>
<td>Q_6</td>
</tr>
<tr>
<td>6</td>
<td>14-Feb – 18-Feb</td>
<td>Heaps &amp; Priority Queues</td>
<td>P_1</td>
</tr>
<tr>
<td>7</td>
<td>21-Feb – 25-Feb</td>
<td>Exam 1 / Sorting</td>
<td>E_1</td>
</tr>
<tr>
<td>8</td>
<td>28-Feb – 4-Mar</td>
<td>Sets, Maps, &amp; Hashing</td>
<td>Q_6, P_3a</td>
</tr>
<tr>
<td>9</td>
<td>7-Mar – 11-Mar</td>
<td>Spring Break</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>14-Mar – 18-Mar</td>
<td>Graphs 1 / Project 2</td>
<td>Q_7</td>
</tr>
<tr>
<td>11</td>
<td>21-Mar – 25-Mar</td>
<td>Graphs 2</td>
<td>Q_8</td>
</tr>
<tr>
<td>12</td>
<td>28-Mar – 1-Apr</td>
<td>Greedy Algorithms</td>
<td>Q_9, P_2</td>
</tr>
<tr>
<td>13</td>
<td>4-Apr – 8-Apr</td>
<td>Exam 2 / Project 3 work week</td>
<td>E_2</td>
</tr>
<tr>
<td>14</td>
<td>11-Apr – 15-Apr</td>
<td>Dynamic Programming</td>
<td>Q_10</td>
</tr>
<tr>
<td>15</td>
<td>18-Apr – 20-Apr</td>
<td>Complexity Theory</td>
<td>Q_11, P_3b</td>
</tr>
<tr>
<td>16</td>
<td>22-Apr – 28-Apr</td>
<td>Final Exam</td>
<td>E_3</td>
</tr>
</tbody>
</table>

Legend: Q_N = Programming and Conceptual Quiz N, P_N = Project N, E_N = Exam N

**Evaluation of Grades**

<table>
<thead>
<tr>
<th>Modality</th>
<th>Assignment</th>
<th>Weightage</th>
<th>% of Final Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual</td>
<td>Programming / HTG Quizzes (11, drop two lowest scores)</td>
<td>1% x 9</td>
<td>9%</td>
</tr>
<tr>
<td>Individual</td>
<td>Conceptual Quizzes (11, drop two lowest scores)</td>
<td>1% x 9</td>
<td>9%</td>
</tr>
<tr>
<td>Individual</td>
<td>Exam 1</td>
<td>14%</td>
<td>14%</td>
</tr>
<tr>
<td>Individual</td>
<td>Exam 2</td>
<td>14%</td>
<td>14%</td>
</tr>
<tr>
<td>Individual</td>
<td>Exam 3 (Final Exam - Cumulative)</td>
<td>14%</td>
<td>14%</td>
</tr>
<tr>
<td>Individual</td>
<td>Project 1</td>
<td>10%</td>
<td>10%</td>
</tr>
<tr>
<td>Individual</td>
<td>Project 2</td>
<td>10%</td>
<td>10%</td>
</tr>
<tr>
<td>Collaborative*</td>
<td>Final Project (Individual or Group: 3a &amp; 3b)</td>
<td>2% + 6% + 2%</td>
<td>10%</td>
</tr>
<tr>
<td>Collaborative*</td>
<td>Preassigned Stepik Questions (18, Drop six lowest scores)</td>
<td>0.83% x 12</td>
<td>10%</td>
</tr>
<tr>
<td>Individual</td>
<td>Extra Credit Opportunities &amp; Bug Bounty Program</td>
<td>Up to 2%</td>
<td>2%</td>
</tr>
</tbody>
</table>

* Denotes peer-graded components. 2% of your grade will be evaluated by your peers.

* You are allowed to collaborate on Stepik problems, but you must cite the peer who you worked with.

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/data-structures-and-algorithms/cop-3530
Amanpreet Kapoor, Spring 2022
Grading Policy

<table>
<thead>
<tr>
<th>Percent</th>
<th>Grade</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;= 93.4</td>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>90.0 - 93.3</td>
<td>A-</td>
<td>3.67</td>
</tr>
<tr>
<td>86.7 - 89.9</td>
<td>B+</td>
<td>3.33</td>
</tr>
<tr>
<td>83.4 - 86.6</td>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>80.0 - 83.3</td>
<td>B-</td>
<td>2.67</td>
</tr>
<tr>
<td>76.7 - 79.9</td>
<td>C+</td>
<td>2.33</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Percent</th>
<th>Grade</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>73.4 - 76.6</td>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>70.0 - 73.3</td>
<td>C-</td>
<td>1.67</td>
</tr>
<tr>
<td>66.7 - 69.9</td>
<td>D+</td>
<td>1.33</td>
</tr>
<tr>
<td>63.4 - 66.6</td>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>60.0 - 63.3</td>
<td>D-</td>
<td>0.67</td>
</tr>
<tr>
<td>0 - 59.9</td>
<td>E</td>
<td>0.00</td>
</tr>
</tbody>
</table>

More information on UF grading policy: [https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx](https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx)

Attendance Policy

- Attendance is optional for lectures. Conceptual quizzes will be held during discussions. If you miss a discussion, you will lose your credit on the weekly conceptual quiz.

Make-Up, Project Resubmission, and Late Submission Policy

- **No make-up or late submission** allowed on weekly quizzes. Remember, we drop the two lowest scores.
- Projects submitted late will be penalized by **10% each day up to four days**. After the fourth day, you will get a 0. We also count weekends as regular days. So, if an assignment is due Friday, and you submit on Sunday, you will be graded out of 80 instead of 100 (2 days late penalty).
- No late submission allowed on Final Project (3a and 3b).
- Projects 1 and 2 will have a hidden test suite which we will use for grading after your submission. If you score lower than 80 points on Project 1 or 2, you will have an opportunity to resubmit and get a maximum score of 80 points. We will see the differences in your two submissions to make sure you aren’t submitting an entirely new version of the code. You are not eligible for resubmission if you do not pass the public test cases on Stepik in the first attempt.
- Exams may be made up when a student has an excused absence. These absences must be notified to the instructor at least 72 hours before the exam. Excused absences must be consistent with university policies in the undergraduate catalog ([https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx](https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx)) and require appropriate documentation. Please note that there is no guarantee that requests will be accommodated.

Grade Review

- After one week of posting a grade, no revisions will be made. In the event of a grade review, the entire assignment will be reviewed.
- If there is an ambiguity on a quiz or exam question, you need to get back to the instructor within two hours of taking the quiz/exam to potentially get back points in case the ambiguity is genuine.
- We do not negotiate auto-graded components on assessments unless there is a typo such as a comma or a space. Please do not contact us for partial credit on auto-graded questions. Missing values is not considered as a typo.
- You get partial credit if you select one of the correct answers for auto-graded questions. You get negative partial credit if you select the wrong answer. This is deliberate. Otherwise, you will select every option and get full credit if there was no negative penalty.

Class Expectations

- Quizzes will require Edugator and Canvas.
- Exams will be in-person and use Lockdown browser and physical paper.
- C++ is the programming language that will be used throughout the course. You will be coding using C++ 11 in all quizzes and Projects 1 and 2. For the final project, you can use any language or multiple languages.
- Strive for correctness, clean, readable, tested, and documented code throughout the course and not for optimization. Correctness and readability are the goals for this course. Once you have the correct solution then optimize if you want.
• Make sure your code compiles on Edugator/Stepik for Quizzes and Projects 1 and 2. If you prefer to code in an IDE, you are welcome to use one but ensure that your code compiles on Stepik/Edugator (it is the default auto grader for projects/quizzes). The Stepik/Edugator auto grader uses a g++ compiler by default so most of the time your code will work.
• For the exams, you can use C++ or pseudo code to describe your solution to a given problem.
• The course will not include Design patterns, Competitive programming, or Formal proofs. The instructor or the course staff will answer questions on the former topics contingent on their time or point you to additional resources. Feel free to post such questions on Slack channels. If any of your classmates do post such questions, don’t feel intimidated and if you don’t understand it, it is perfectly natural and fine. Some students are more experienced, and everyone should strive to improve their learning not comparing to others.

**Academic Dishonesty**

**Quiz questions on Edugator, Quiz questions on Canvas, and Exams:**
- You are **required** to work on programming questions assigned in a quiz on Edugator, quiz questions, and exams **independently** without asking or searching for solutions on the web.
- You **must not be discussing** the solutions to these assessments **even at the conceptual level**.
- You are **allowed** to
  - discuss solutions after the due date and late days have passed.
  - search for C++ syntax or refer to definitions of standard functions in the C++ library. For example, using the documentation listed here is fine: https://www.cplusplus.com/reference/ or https://en.cppreference.com/w/

**Project 1 and 2:**
- You are **required** to work on projects **independently** without asking or searching for solutions on the web.
- You are **allowed** to
  - discuss conceptually small sections in your project without discussing any code with a peer provided you cite the peer with who you discussed it. Such discussions should be held on a whiteboard using explanation figures/pseudo-codes or through talking.
  - discuss solutions after the due date and late days have passed.
  - search for C++ syntax or refer to definitions of standard functions in the C++ library. For example, using the documentation listed here is fine: https://www.cplusplus.com/reference/ or https://en.cppreference.com/w/

**Project 3, Stepik weekly assigned questions, and Stepik ungraded questions:**
- It is fine to collaborate with peers. You must make sure you are not blindly copy-pasting another student’s code. Also, you must cite the peer you worked with at the code level or conceptually.

**Code policy for “individual” assessments**
- Sharing/copying, “borrowing” of code structure, looking at code from another student or providing such code, and plagiarism, in addition to other dishonest behaviors, are all considered to be academic dishonesty. No information regarding the project 1-2, quiz, and exam solutions may be shared by students.
- **Looking at any piece of your peer’s code, sharing files, searching for solutions found online, or using someone else to code your solution is strictly prohibited.**
- Any student found to have violated these rules, whether a provider or receiver or unauthorized help, will be given a zero on that assignment **and a two-letter final grade decrement** for a first offense. For a second offense, you will get an E grade, the failing grade. Also, for both offenses, you will be reported to the Honor Court. **If you aren’t clear on what constitutes plagiarism, ask the course staff.**

**Discussion and Slack Policy - Be Nice, Be Helpful**
- Treat your classmates with civility and respect. Don’t attack anyone and no discussion of controversial topics on channels.
- If you have a question regarding code or content, always post it on the appropriate Slack channels if you want the course staff to answer. Do not be hesitant however simple is the question. You will be surprised by
how many students have the same question but are hesitant to ask. We want to make sure everyone gets the
basics right and we hope that you leave the course with a mastery of first principles and basics.

- Use private message or email only if the message is related to personal requests. **Questions related to
debugging on private messages will be ignored.**
- Questions will be answered **Monday – Friday in less than 48 business hours typically** by at least one
member of the course staff.
- Try to answer questions posted by your course mates if possible and help them. This is helpful for a vibrant
environment in a remote course.
- Stepik environment allows you to see other students’ solutions to coding after you have submitted and
passed the test cases. Students in the previous iterations read other students’ code and found it helpful. If
you find that some solution is well designed, try to applaud them on Slack and appreciate their work.
- Harassment/Bullying/Making fun of another student will not be tolerated and will lead to disciplinary
actions. If someone is behaving disrespectfully on the forum which you find inappropriate, send the
instructor a message and don’t argue on it publicly.

**Office Hours and Code Review Policy**

- Students should visit the course staff during scheduled office hours for help on projects or quizzes. Do not
send emails or “@” instructors or TAs about project help. The TAs and instructor will often try to answer
questions, when possible, in Slack channels, but the way to get personalized help is to visit them during office
hours.
- The course staff cannot provide you more than 15 minutes of their time in case of long lines or more than
two students waiting to get help during office hours.
- When making any debugging requests, make sure you provide the context of what problem you are trying
to solve and where is your code failing. Small snippets can be posted on Slack but not the entire code.
- **Debugging requests** for projects/quiz questions must first go through the TAs, peer mentors, or a post on
the Slack channel. This is strongly encouraged given we have a large class and several of you might have
similar questions. If your problem is not fixed, then Slack message the instructor and add the TA/Peer mentor
who you asked for help to the conversation. **Debugging requests to the instructor as a direct message or
an email will be ignored if you do not follow the above protocol.**

**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/](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.

**Course Evaluation**

Students are expected 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/](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/](https://ufl.bluera.com/ufl/). Summaries of course evaluation results
are available to students at [https://gatorevals.aa.ufl.edu/public-results/](https://gatorevals.aa.ufl.edu/public-results/).

**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.

**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 Conduct Code ([https://sccr.dso.ufl.edu/process/student-conduct-code/](https://sccr.dso.ufl.edu/process/student-conduct-code/)) specifies a number of behaviors that are in violation of this code and the possible sanctions. If you have any questions or concerns, please consult with the instructor or TAs in this class.

**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 Graduate Program Coordinator
- Jennifer Nappo, Director of Human Resources, 352-392-0904, [j pennacc@ufl.edu](mailto:jpennc@ufl.edu)
- Curtis Taylor, Associate Dean of Student Affairs, 352-392-2177, [taylor@eng.ufl.edu](mailto:taylor@eng.ufl.edu)
- Toshikazu Nishida, Associate Dean of Academic Affairs, 352-392-0943, [nishida@eng.ufl.edu](mailto:nishida@eng.ufl.edu)

**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.

**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](https://registrar.ufl.edu/ferpa.html)

**Campus Resources:**

**Health and Wellness**

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.

**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:** [https://counseling.ufl.edu](https://counseling.ufl.edu) 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](mailto:title-ix@ufl.edu), 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/](http://www.police.ufl.edu/).

**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](https://lss.at.ufl.edu/help.shtml).

**Career Resource Center,** Reitz Union, 392-1601. Career assistance and counseling; [https://career.ufl.edu](https://career.ufl.edu).

**Library Support,** [http://cms.uflib.ufl.edu/ask](http://cms.uflib.ufl.edu/ask). Various ways to receive assistance with respect to using the libraries or finding resources.

**Teaching Center,** Broward Hall, 392-2010 or 392-6420. General study skills and tutoring. [https://teachingcenter.ufl.edu/](https://teachingcenter.ufl.edu/).

**Writing Studio,** 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers. [https://writing.ufl.edu/writing-studio/](https://writing.ufl.edu/writing-studio/).
