

# COP 4331: Object-Oriented Program Spring 2019

**Lecture Location:** PUGH 120

**Class Periods:** M, W, F | Period 7 (1:55 PM - 2:45 PM)

## Instructor

**Dr. Philippa R. Brown**

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CSE E504

Office Hours: Monday 10:00-11:30 a.m. and by appointment

## Teaching Assistants

For current list, go to: <https://ufl.instructure.com/courses/362541/pages/ta-information>

## Course Description

- COP 4331: Object-Oriented Program, 3 Credits
- Fundamental conceptual models for programming languages illustrated with specific programming languages and application problems. Specific topics include class and object models, inheritance among classes, objects and static and dynamic systems and implementations.
- All course announcements will be posted via Canvas and Piazza.
  - Canvas: <https://elearning.ufl.edu> or <https://ufl.instructure.com/courses/362541>
  - Piazza Class Page: <https://piazza.com/ufl/spring2019/cop4331>

## Course Pre-Requisites

- COP 3530 Data Structures and Algorithm

## Course Objectives

- By the end of this course, students will gain
  - Knowledge and application of key Object-Oriented Programming principles (e.g. Abstraction, Inheritance, Encapsulation, Polymorphism)
  - Knowledge and application of common design patterns
  - Knowledge and application of Object-Oriented modeling using UML
  - Knowledge of & Experience using Java to develop well designed software

## Materials and Supply Fees

- For current details, see: <https://registrar.ufl.edu/soc/201901/all/computer.htm>

## Required Resources

- GitHub account: <https://education.github.com/pack>
- Piazza account: <https://piazza.com/>

## Recommended Resources

- *Design Patterns: Elements of Reusable Object-Oriented Software* by Gamma, et al – ISBN:9780201633610
- *Fundamentals of Object-Oriented Design in UML* by Meilir Page-Jones – ISBN: 020169946X
- Various online tutorials (docs.oracle.com/javase/tutorial/, w3schools.com, guides.github.com, etc.)

## Attendance Policy, Class Expectations, and Make-Up Policy

- **Students are expected to attend every class** since the content will be drawn from various sources. Important content, announcements, Q&A, etc. will occur during class, and students will be held accountable for all information provided during class. Attendance will be checked periodically through in-class participation opportunities and assignments.
- **A laptop or tablet is required in class daily.** They will be needed during lectures and discussion sessions for some assignments. Notifications and all other sounds must be muted.
- **For individual projects, code must be solely written by you.** Do not share code with or view code from classmates. For group projects, collaboration is expected and code that is submitted must also be original.
- **No late homework or class assignments will be accepted.**
- **Exam and/or quiz make-ups will only be given in extenuating circumstances.** The dates are provided below, so plan accordingly.
- **Projects submitted after the given deadline** will receive a 15% penalty per day and will not be accepted more than 48 hours late.
- **Grade reviews** must be requested within one week of a grade being posted. After one week, no consideration will be given. Start by contacting the TA who graded the assignment. Valid errors will be corrected. In other cases, if a grade review is granted, the entire assignment will be reviewed.
- **Requests to excuse an absence** only need to be submitted if an in-class assignment is missed. A formal request process will be provided (e.g. a submission via Canvas with supporting documents). Excused absences must be consistent with university policies in the undergraduate catalog (<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>) and require appropriate documentation.
- **Getting Help**
  - For project or homework assistance, please use Piazza to reach out to classmates and TAs.
  - For technical problems with any of the software we are using please contact the individual software provider's technical support.

## (Tentative) Important Dates

- Below are dates of scheduled in-person assignments. Exam make-ups will only be given in extenuating circumstances. Please make interview, travel, etc. plans accordingly:
  - Midterm Exam: Wed, Feb 20, 2019 during class
  - Final Exam: Tues, Apr 30, 2019 @ 3:00 PM - 5:00 PM

## (Tentative) Evaluation of Grades

| Assignment                             | Percentage of Final Grade |
|--|---------------------------|
| In-class assignments, quizzes, etc     | 10%                       |
| HW and other out-of-class requirements | 15%                       |
| Programming projects                   | 50%                       |
| Midterm Exam                           | 10%                       |
| Final Exam                             | 15%                       |

## Grading Policy

Final grades will be assigned based on the following scale

|                   |                   |                   |                  |
|-------------------|-------------------|-------------------|------------------|
| <b>A</b> 100 - 93 | <b>B+</b> 85 - 88 | <b>C+</b> 76 - 79 | <b>D</b> 60 - 69 |
| <b>A-</b> 92 - 89 | <b>B</b> 80 - 84  | <b>C</b> 70 - 75  | <b>F</b> < 60    |

More information on UF grading policy may be found at:

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

### **Students Requiring Accommodations**

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <https://www.dso.ufl.edu/drc>) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

### **Course Evaluation**

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu/evals>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

### **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.

### **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: <http://registrar.ufl.edu/catalog0910/policies/regulationferpa.html>

### **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](mailto: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 352-392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

**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/>.

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**, <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/>.

**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](https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf).

**On-Line Students Complaints:** <http://www.distance.ufl.edu/student-complaint-process>.