

COP 3502 – Programming for CIS Majors I

<http://www.cise.ufl.edu/~pjd/>

Instructor :	Pete Dobbins	Office:	CSE E522
E-mail:	pjd at cise dot ufl dot edu	Hours:	MW 10 – 11 AM; R 11 AM – 12 PM

Course Description & Objectives

The purpose of this course is for students with little or no background in computer science to be introduced to the technical aspects of the field of computer science. Due to the nature and complexity of this field of study, the course will be time consuming and requires serious dedication on the part of each student. Among other topics, we will learn how to solve problems, transform the solution into a program written in the Java programming language, and vice versa.

Although no programming background is expected, be aware that you will be expected to learn how to program and doing so requires very technical work. Attention to detail and analytical thinking will be expected. The programming projects will require students to spend an extensive amount of time working outside of class. In addition, rote memorization is necessary to recall the syntax and definitions of Java and computer science. Please arrange your schedule accordingly.

This course satisfies the ABET Outcome (e): “an ability to identify, formulate, and solve hardware and software computer engineering problems, accounting for the interaction between hardware and software.”

COP 3503 – Programming for CIS Majors II should be taken the semester following your completion of this course.

Text Book

Here is the text book we will use. The cheapest and fastest way to purchase it is online.

- Objects First with Java, Fifth Edition, Barnes & Kölling, 2009, Prentice Hall, ISBN 0-13-249266-0.

Recommended Text Books

Other recommendations for useful supplements are given here. The cheapest and fastest way to purchase them is online.

- Introduction to Programming and Object Oriented Design Using Java, Second Edition, Nino & Hosch, 2005, John Wily & Sons, ISBN 0-471-71227-2.
- Java Foundations: Introduction to Program Design & Data Structures, First Edition, Lewis, DePasquale, & Chase, 2007, Addison Wesley, ISBN 0-321-42972-9.
- Program Development in Java, Liskov & Guttag, 2001, Addison-Wesley, ISBN: 0-321-43278-9 (includes a free copy of Depasquale's Java Backpack reference guide; for just the text, the ISBN is 0-201-65768-6).

Policies & Grading

General course policies are:

<http://www.cise.ufl.edu/~pjd/admin/policies/course.html>. You are expected **know and follow** all of these policies.

In order to be successful in this course, you should attend lecture. There is no replacement to the experience of seeing the material presented during lecture.

Activity	Final Grade Percentage
Discussion Exam I	20%
Discussion Exam II	20%
Discussion Exam III	20%
Discussion Quizzes	30%
Homework Projects	10%

1) Discussion Exams

The examination schedule is given here. Discussion exams will be administered during your discussion sessions. On exam days, you will have the full two periods to complete the examination. By holding exams during discussion, you will have access to computers which will assist you in creating programmatic solutions.

Exam	Day	Date	Time
I	Tuesday	02/12/13	Your Discussion Period
II	Tuesday	03/19/13	Your Discussion

		3	Period
III	Tuesday	04/16/13	Your Discussion Period

2) Written Exam

On Tuesday, April 23, 2013 from 8:20 – 10:10 PM we will have a written examination (pencil and paper, not completed using a computer). This exam will replace your lowest Discussion Exam grade. The exam date is subject to change, pending the registrar's assignment of a classroom for the exam location. Discussion sessions on April 23, 2013 will not have a quiz or exam. Discussion this day will provide question and answer time before the written exam.

3) Discussion Quizzes

Every discussion that you do not have an exam, you will have a quiz during the second period of your two period discussion block. Your lowest discussion quiz score will be dropped. Quizzes will be comprised of two activities. First, you will be asked to create solutions to a subset of exercises given to you prior to discussion. Second, you will be asked to solve problems not given to you prior to discussion.

4) Homework Projects

Homework project assignments will include written homework problems and the creation of Java programs. Your lowest homework project score will be dropped. Details for submitting each homework will be given within the project specification. Soft and/or hard copies of projects will be submitted. Soft copies will be submitted via the [Sakai](#) and unless specified otherwise are due by 11:59 PM on the due date given within the project specification. Hard copies of your solutions will be turned in during lecture or discussion details again being provided within the project specification. If you will be absent, ensure any assignments have been delivered before the lecture or discussion meeting time.

5) Discussion Sessions

During discussion sessions you will complete Discussion Exams and Quizzes. You must attend and participate in the discussion section in which you are registered. All discussions will meet in CISE classroom labs located through the main CISE lab in CSE E114. Here are the sections, days, periods, and locations for each discussion.

Section	Day	Period	Location	Discussion Leader
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1F70	Tuesday	2 & 3	CSE E113	See Discussion Announcements
1H38	Tuesday	4 & 5	CSE E113	See Discussion Announcements
128F	Tuesday	6 & 7	CSE E113	See Discussion Announcements
128G	Tuesday	8 & 9	CSE E113	See Discussion Announcements
128H	Tuesday	10 & 11	CSE E113	See Discussion Announcements
4185	Tuesday	2 & 3	CSE E116	See Discussion Announcements
5313	Tuesday	4 & 5	CSE E116	See Discussion Announcements
6736	Tuesday	6 & 7	CSE E116	See Discussion Announcements
6753	Tuesday	8 & 9	CSE E116	See Discussion Announcements
6761	Tuesday	10 & 11	CSE E116	See Discussion Announcements
6764	Tuesday	2 & 3	CSE E115	See Discussion Announcements
6766	Tuesday	4 & 5	CSE E115	See Discussion Announcements
6769	Tuesday	6 & 7	CSE E115	See Discussion Announcements
7091	Tuesday	8 & 9	CSE E115	See Discussion Announcements
9285	Tuesday	10 & 11	CSE E115	See Discussion Announcements

6) *Practice Exercises*

At times there will be practice exercises assigned during lecture and discussion that are not associated with a graded activity. These exercises are supplemental to the course lecture, exams, homework, and quizzes, helping you in your studies and preparation. These exercises will not be collected, however if you would like to discuss your solutions with us, please do so. It is *highly* recommended that you complete and participate in non-graded course activities: *lecture* and *practice exercises*, in addition to the graded activities: *exams*, *projects*, and *discussion*.

7) *Grading Scale & Calculation*

The range used to calculate your final letter grade will be no harsher than the grading scale: A 100 -to- 92, A- 92 -to- 89, B+ 89 -to- 86, B 86 -to- 82, B- 82 -to- 79, C+ 79 -to- 76, C 76 -to- 72, C- 72 -to- 69, and so on. If it is permitted that the course be taken SU, a 75 or higher is required to receive an S (Satisfactory). The formula used to calculate your final total of points is given here. In this example, each exam is worth 100 points, each homework is worth 25 points, each quiz is worth 25 pts, and there are 10 projects and quizzes. Recall this is an example scenario. Semester by semester the total worth or number of an assignment may vary, however the logic of the formula remains the same, i.e. the Sum of Your Total will be divided by the Total of the Points Available.

$$\text{Exam Total} = ((\text{Sum of Exam Scores} - \text{Lowest Exam Score}) / 300) * 60$$

$$\text{Homework Total} = ((\text{Sum of Homework Scores} - \text{Lowest Homework Score}) / 225) * 10$$

$$\text{Quiz Total} = ((\text{Sum of Quiz Scores} - \text{Lowest Quiz Score}) / 225) * 30$$

$$\text{Final Total} = \text{Exam Total} + \text{Homework Total} + \text{Quiz Total}$$

8) Additional Notes

All grading/re-grading issues **must** be resolved within **1 week** of the graded work being returned. You must return exams and project assignments to your discussion leader, along with a **printed (not handwritten) attachment** stating the reasons for the re-grade. Do not write anything on the exam itself or detach (un-staple) the pages from each other. If you do so, your exam will not be re-graded. For project re-grading, see the TA who grades your assignment in his or her office hours immediately. Note, when requesting a re-grade, the whole exam and project assignment is subject to the re-grade, not just the portion you specify. We will be happy to discuss the solution and answer any questions, however no change will be made after the allotted week has passed.

There will be no make-ups, except for serious medical reasons with a medical practitioner's note.

Any curve will be determined at the end of the semester, after every student has completed all course activities and no judgment can be made beforehand. Since new exams, projects, and so on are given every semester, the scale of a previous semester has no bearing or indication as to the final scale for this semester. The grading ranges will be created based upon the complete analysis of every student's final average.

Special Notes for the First Week of Classes

There will be no discussion sessions the first week of classes. Discussions will meet for the first time starting Thursday, January 15, 2013. There will be no office hours the first week of classes. If you need to see me, do so after lecture or schedule an individual appointment.

Teaching Assistants

Listed here is the contact information of each Teaching Assistant (referred to in this document as TAs).

Name	Office	Phone	Email	Office Hours
Gunhan	CSE E309	392- 1183	ggulsoy at cise dot ufl dot edu	See TA Schedule
Jess	CSE E309	392- 1183	sjbodzo at cise dot ufl dot edu	See TA Schedule
Jon	CSE E309	392- 1183	s11022cz at cise dot ufl dot edu	See TA Schedule
Paolo	CSE E309	392- 1183	paolo at cise dot ufl dot edu	See TA Schedule
Sarven az	CSE E309	392- 1183	f93022dx at cise dot ufl dot edu	See TA Schedule
Terek	CSE E309	392- 1183	tarce at cise dot ufl dot edu	See TA Schedule
Tushar	CSE E309	392- 1183	athawale at cise dot ufl dot edu	See TA Schedule

Whom Should I Speak With Regarding?

Here are the individuals that you should see concerning the following topics:

Course Policies	Pete & Any TA
Course Material	Pete & Any TA
Questions	
Discussion Exercise	Any TA
Questions	
Grading	Your Discussion Leader
Picking Up Graded Work	Your Discussion Leader

The Do's

Come to my office hours and the TA's office hours. We will be glad to help you as much as possible. Above I refer to the "timeliness of questions",

office hours are always a good time to ask any question of the appropriate person. Please remember to follow the guidelines above.

Whenever you send email to me or a TA, the email **must have COP 3502** (and only COP 3502) as its subject. Also, within every email, whether you deem it helpful or not, clearly place **your name** and **section number** at the **top** of the email. Any email without this information will be more difficult and sometime impossible to answer accurately. Here is the format you should follow:

Name Bullwinkle J
 Moose
Section 4321
n

Before emailing questions, always read the syllabus, announcements, and schedule. It is quite possible that your question has already been answered in one of these places.

I and the TAs will answer your questions and resolve your issues the quickest and most clearly in office hours. We receive many emails and reply to them in their order of importance. If you would like to ensure your question is moved to the top of the list, see us in office hours.

Always start early. The projects and your studying will be easier the sooner you begin. Starting early will allow you more time to ask the specific questions you need answered in order to complete the projects and understand the material on testing activities.

The Do Not's

Never place your Social Security # or UF ID # on any course material.

If you choose to use a laptop during lecture, **do not use** an optical mouse. If you are using a laptop during lecture, use it only for the purpose of taking notes and following along with our topic of discussion. Do not play games, chat, or create any similar distractions for yourself and your classmates during lecture. Turn off your cell phone, laptop speakers, and all other electronic devices before lecture begins.

Please review the syllabus and online materials to assist in answering questions such as "Where is the TA's office?" or "What are your office hours?". Copies of the syllabus and other course materials are available on the course web site for your convenience.

You do not need to ask when grades will be posted. We always post grade information as soon as possible. If you would like a grade to be clarified, see the appropriate TA in his or her office hours immediately.

Academic Honesty

We will adhere to the academic honesty policies of the University of Florida, which can be seen at www.dso.ufl.edu/Academic_Honesty.html. When a breach of these policies occurs, the University requires that an adjudication form be submitted to [Judicial Affairs](#) regarding the circumstance. The incident will then be investigated by Judicial Affairs and when an incident is found to have broken the University of Florida's [Student Honor Code](#), a penalty is assessed. Penalties range from grade reductions to expulsion from the University. In addition, a notation of the incident is placed on the student's permanent record.

All coursework: exams, homework, quizzes, and so on are to be completed individually. A list covering some examples of actions which break the honor code is given here.

- Copying, submitting, or viewing the work of another student.
- Working in any capacity with or helping other student(s).
- Providing any work directly (your own) or transferring the work of someone else to another student.

Recall, our course provides office hours for your assistance in understanding course material. Take advantage of these hours to receive help with your comprehension of the topics being addressed.

Students with Disabilities

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation. Your documentation and specific needs must be given to me as soon as possible, so that appropriate arrangements are made. The Dean of Students office requires request forms be returned to them three full business days prior to any accommodation request, therefore I need you to ensure your request has been made to me and all documentation delivered at least 7 business days prior to the date of the request.

Course Registration Requirements

In order to take this course, sit in on the course, or complete an incomplete of this course every student must be [officially registered](#) in either the normal fashion or through the auditing process. Any student not officially registered is in violation of UF policy and subject to the penalties set forth by the University.

Disclaimer

This document is subject to change at the discretion of the instructor, based on unforeseen circumstances (such as hurricanes, the dissolution of the CISE department by the College of Engineering, rifts in the fabric of time, or holiday dessert hangover) occurring during the semester.