

**PROFESSOR:** Ms. Gail M. Gehrig  
**OFFICE:** South Campus, F-224  
**PHONE:** (904) 646-2393  
**E-MAIL:** [gmgehrig@fscj.edu](mailto:gmgehrig@fscj.edu)  
**WEBSITE:** <http://www1.fccj.edu/gmgehrig>  
**BLACKBOARD:** <http://bb.fscj.edu>  
**OFFICE HOURS:** M 3:45-5:45; T 2:45-5:45; R 9:45-2:45  
**COURSE:** COP 2220, Fall 2009 (#302635)



### **COURSE DESCRIPTION (COP 2220)**

This course will instruct students in the fundamentals of C program development including algorithm design, program definition, coding, testing, and debugging. Modularity will be learned, using programmer-defined functions. C is a highly portable language and is adaptable to different computers. Most popular software packages are written in C. Students will develop C programs to solve real world problems. This course is designed for individuals who would like a first course in C programming. (Experience with Windows and PC-computers is recommended but, no prior knowledge of computer programming, math skills and formal problem solving is assumed.)

### **TEXTBOOKS**

📖 Foster, L.S. and W.D. Foster, *C by Discovery*, 4/e, Scott/Jones Inc., El Granada, CA (2005) (ISBN 1-57676-170-3)

### **STORAGE DEVICES**

💻 A USB memory stick, flash drive, or thumb drive

### **SOFTWARE (Optional)**

There are a number of C/C++ compilers available. Sources include:

- 🌀 Dev C/C++ 5 compiler (shareware) (available from <http://www.bloodshed.net/>)
- 🌀 C/C++ compiler is part of Microsoft Visual .NET (available through MSDNAA)

### **EVALUATION**

Student progress will be evaluated based on projects, assessments, and lab exercises. The following table describes the relationship to the final grade.

<b>Component</b>	<b>Number</b>	<b>Percentage of Grade</b>
Projects*	6	50%
Assessments*	4	40%
Lab exercises		10%

\*Note: Individual project and assessment weights may vary.

- Projects will be evaluated based on correctness, completeness, and appearance.
- Projects are due on the due date, at the *beginning of class*. (Do not miss class to complete a project.)
- Late projects will *NOT* be accepted.
- **NO** makeup assessments will be given. If you are unable to attend a scheduled assessment, please make arrangements *in advance* with the professor.

#### GRADING SCALE

Points	Grade
90-100	A
80-89	B
70-79	C
60-69	D
Below 60	F
Failure due to non-attendance	FN

#### GUIDELINES FOR STUDENT SUCCESS

- ✓ Each student is expected to attend class regularly and to participate in the lab exercises.
- ✓ Keep good class notes of lectures and discussions, as test materials may come from lectures (it's not all in the book!).
- ✓ Read the assigned materials. Ask questions, if you don't understand a concept.
- ✓ When working on projects on the computer, *save* your work often. When you think it would be inconvenient to recreate your work, save your work.
- ✓ Submit projects on time. Your name, course, and project number must be on each project submitted.
- ✓ Create a portfolio of your work. Maintain a folder of your returned projects until the term ends.
- ✓ You may ask for assistance from your professor or another student; however *your work must be your own*. Students are expected to complete their own tasks. Evidence of academic dishonesty will be handled according to the appropriate college Board rule and may result in a failing grade for the project or assessment, or failure in the course. For more information refer to the *Procedures for Handling Alleged Academic Dishonesty* policy in the college catalog or <http://floridastatecollegecatalog.fscj.edu/content.php?catoid=11&navoid=684&bc=1&hl=dishonesty>.
- ✓ *Don't get behind in the course!* Make sure you plan plenty of time for studying/working on this course. If you "get stuck" on something that doesn't seem to work, don't "stay stuck". Call or email your professor or study friends.

- ✓ Cell phones, pagers, and CD players are to remain *silent* during class and lab time, as not to disturb the class.

### PROPOSED COURSE SCHEDULE\*

Date	Lecture Topics	Chapters	Projects	Assessments
8/31	Getting Started	1		
9/7	<i>SCHOOL CLOSED – Labor Day</i>			
9/8	<i>Drop Deadline (A16)</i>			
9/14	Gaining Control	2	1	
9/21	Basic Data Types	3		
9/28	Arrays (and Pointers)	4	2	
10/5	(Arrays and) Pointers Assessment (chapters 1-3)	4		1
10/12	Strings	5	3	
10/19	Multidimensional Arrays and Double Indirection	9		
10/26	Input and Output	10	4	
11/2	Keeping Control Assessment (chapters 4-5, 9)	6		2
11/9	<i>Withdrawal Deadline (A16)</i>			
11/9	Structuring the Data	7	5	
11/11	<i>SCHOOL CLOSED – Veterans' Day</i>			
11/16	Intra-program Communication Assessment (chapters 6-7, 10)	8		3
11/23	C Library and Preprocessor Facilities	11		
11/26- 11/29	<i>SCHOOL CLOSED – Thanksgiving</i>			
11/30	Discovering C++	12		
12/7	Lab Time		6	
12/14	Assessment (chapters 8, 11-12)			4

\* The instructor reserves the right to adjust the schedule as needed. Students will be provided an updated course schedule.