

# CNT 4714 – Enterprise Computing Spring 2010 - Syllabus

**Course Prerequisites:** COP 3502C and COP 3330

**Class Meets:** Tuesday, and Thursday from 10:30 – 11:45 am in ENG2 105

**Instructor:** Dr. Mark Llewellyn

**Office:** HEC 236

**Office Hours:** Monday & Wednesday 2:30 – 4:30 pm  
Tuesday & Thursday 1:00 – 3:00 pm

**Phone:** 407-823-2790 (voice mail available)

**E-mail:** [markl@cs.ucf.edu](mailto:markl@cs.ucf.edu)

**Course Web Site:** [www.cs.ucf.edu/courses/cnt4714/spr2010](http://www.cs.ucf.edu/courses/cnt4714/spr2010)

## Course Objective:

This course will expose you to the world of heterogeneous enterprise computing architecture with an emphasis on networked, distributed applications using objects.

## Course Overview:

This is a project oriented course. This course deals with the integration of front-end and back-end enterprise components using a variety of technologies. For the earlier part of the course, Java programming capability is a must. We will extend your Java programming capability to include GUIs, multi-threading, and networking features. Later in the course servlet and JSP technologies will be introduced running on a Tomcat server. Still later in the course PHP technology will be introduced meaning that some knowledge of basic XHTML will be required with the applications running on an Apache HTTP server. Basic database knowledge is also assumed as we will be using a MySQL database server as a back-end to many of the applications.

**Texts:** There is no textbook for this course. Lecture notes on the topics covered in the course will be available online for your use.

## Grading:

Three exams will be given, two regular exams and a final exam (comprehensive). Exams are given once – be there as there are no dropped test scores. There will be four or five programming assignments. Programs submission guidelines will be given later. The programming assignments are to be individual efforts.

Programming assignments (total) .....	50%
2 Regular Exams (15% each).....	30%
Final Exam (Tuesday April 27 <sup>th</sup> - 10:00 am – 12:50pm) .....	20%

### Grading Scale:

Plus/minus grading will be used in this course.

90-100 = A, 88-90 = A-, 86-88 = B+, 80-86 = B, 78-80 = B-, 76-78 = C+,  
70-76 = C, 68-70 = C-, 66-68 = D+, 60-66 = D, 58-60 = D-, <58 = F

### Some Important Dates:

No class: [Monday January 18<sup>th</sup>](#) – Martin Luther King Jr. Day

[Monday-Friday March 8<sup>th</sup> -13<sup>th</sup>](#) – Spring Break

Last Day to Withdraw: [Friday March 5<sup>th</sup>](#)

Final Exam: [Tuesday April 27<sup>th</sup>](#) - 10:00am – 12:50pm

### Topics To Be Covered:

1. Event-driven programming and GUI-based front-ends
2. Multi-threaded applications
3. Java Networking – socket level
4. HTTP, HTML, XML, XHTML.
5. ODBC, JDBC, MySQL
6. Security issues (HTTPS).
7. Servlets, Java Server Pages.
8. PHP, ASP
9. J2EE
10. SOAP and CORBA

This is a general list of topics only and is subject to the needs of the class. It will be altered without notice, but will generally follow the same progression. At the end of each class I will tell you what we will be discussing during the next class period.

### Lab Times:

There are no regularly scheduled labs for this course. The TA for the course (see below) will have office hours to answer any programming related questions that you may have and to assist you with the programming of your course assignments. We may also schedule some more formalized group help sessions for some of the programming assignments.

### TA Information:

The TA for the course is TBA. The TA's office hours will be announced later and posted on the course web page...