**Wylene Dickey**

**Central High School**

**Macon, Georgia**

**Intermediate Programming**

**October 6, 7, 20 & 21, 2009**

**Introduction to Lesson Plan #2 – Java Program for Articulation of Courses**

According to the “Student’s and Parent’s Guide to Articulation” that was produced by Central Georgia Technical College (CGTC), “Articulation is the process of comparing the content of courses that are transferrable between secondary (High School) and postsecondary (college) in an effort to allow high school students to gain free college credit” (Hutcherson 2009).

I have chosen as my second lesson plan, an assignment that will require the students to write a program that will allow other individuals to enter specific information to help them to determine if a course at Central High School is articulated with courses at Central Georgia Technical College. There are some stipulations that apply, one being that the students must pass an exemption exam with a passing score that is specified in the agreement. In some cases a 75 is required, and in others a passing score of 85 is required.

During recent years, Central Georgia Technical College has agreed to have articulation of several courses with the Bibb County Public School District. The courses at Central High School that are articulated with CGTC include:

* Legal Environment of Business
* Marketing Procedures
* Computing in the Modern World
* Beginning and Intermediate Programming
* Computer Applications
* Fundamentals and Advanced Web Design
* Broadcast and Video Production I & II

This assignment is challenging since this is only the second semester that Beginning Programming has been taught at Central High School. Fall Semester 2008 was the first time that I taught it. I am scheduled to teach Intermediate Programming beginning in January 2010.

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Hutcherson, LaTasha, CGTC High School Coordinator, A Student’s and Parent’s Guide to Articulation pamphlet, 2009.

**Introduction to Lesson Plan #2**

**Java Program for Articulation of Courses**

Teacher: Mrs. Wylene Dickey Room #2503

Course Title: Intermediate Programming Central High School

Program Concentration: Business & Computer Science

Career Pathway: Computing

**Georgia Performance Standard:**

**BCS-IP-7: Students will use and develop algorithms to solve complex problems.**

1. The students will plan and create a program using the “if” statement.
2. First the question to be asked: Is the course an articulated course. For example: if the course is Computing in the Modern World, then yes it is an articulated course.
3. The second question to be asked is: What is the articulated course?
4. Then the answer will be Computer Concepts
5. The third questions to be asked is: What is the course number?
6. The answer will be CIS
7. The third questions will be: Is there another articulated course
8. Another question will pop up—What is the matching course number?
9. The answer will be CIS 106

Since courses like Introduction to Microcomputers (SCT 100) can be matched with two courses—Computer Applications I and Computing in the Modern World, the students will be advised to enter the high school course first, then match it with the course(s) at the postsecondary level.

Another case would be Fundamentals of Web Design and Advanced Web Design, which both can be articulated with CIS 2202 (XHTML Fundamentals). In the end, the following main and articulated courses will appear as follows:

1. Legal Environment of Business – Marketing 103 or Acc 2155 Legal Environment
2. Marketing Procedures – Marketing 100 Intro to Marketing
3. Computing in the Modern World CIS 106 Computer Concepts or SCT 100 Introduction to Computers
4. Beginning and Intermediate Programming – CIS 106 Program Design and Development
5. Computer Applications – CIS 127 Advanced Word Processing or SCT 100 Introduction to Microcomputers
6. Fundamentals and Advanced Web Design - CIS 2202 XHTML Fundamentals
7. Broadcast and Video Production I & II – DMP 1603 Introduction to Videography