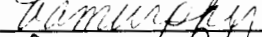# COUNTY COLLEGE OF MORRIS
Course Information Outline

Course Title___C Programming Language (C#)_____PREFIX&NUMBER_CMP 208

Lecture Hours ___3___Laboratory Hours___1___Credit Hours ___3___Course Fee___$40___

Department Chairperson Approval_*Ramurphy*_____ Date_*11/20/12*___

Division Dean Approval_____ Date___ *11 / 30 / 12*

General Education Information:

Categories:

☐ Communications   ☐ History   ☐ Humanities   ☐ Mathematics
☐ Science   ☐ Social Science ☐Technological Competency
☐ Diversity *(check if course also meets diversity category)*

Integrated Goals: *(check all that apply)*
☐ Ethical Reasoning and Action   ☐ Information Literacy

1. **Catalog Course Description**
   This is a second-level programming course for students with previous programming experience. Topics include basic syntax rules of C#, input/output, data types, selection, repetition, methods, arrays, error handling, classes, objects, inheritance, polymorphism, and GUI applications. Individual and team programming exercises are assigned and good programming practices and debugging techniques are emphasized.

2. **Prerequisite(s)**
   CMP 113 or CMP 128 Computer Science I or equivalent

3. **Co-requisite(s)**
   None

4. **Textbooks**
   Microsoft Visual C# 2010, An Introduction to Object-Oriented Programming, Fourth Edition, Joyce Farrell, Cengage Publishing, 2011 or current edition.

5. **Supplementary Books and/or Materials**
   None

6. **Specialized equipment, supplies, facilities, for classes limited by enrollment or restricted by accreditation and/or equipment limitations.** (Information will be used to determine differential funding category.)
   Microsoft Visual Studio.NET and internet access

7. **Course Content (List of Topics)**
   History and Importance of C#
   - Basic Rules & Syntax
   - Input/Output
   - Data Types
   - Arithmetic and Logical Operators

Revised 12/7/2011

- Selection
- Repetition
- Methods
- Arrays
- Error Handling
- Objects
- Inheritance
- GUI applications

8. **Statement of Course LEARNING OUTCOMES**
Upon completion of this course, students will after successful completion of assignments, projects, and examinations
- create functioning software programs using C# programming fundamentals
- demonstrate programming proficiency using C# syntax
- understand the history and importance of C# to the science of computing
- work individually and collaboratively to complete tasks accurately and on deadline

9. **Statement of Relation to Curriculum(s)**
Required for the Management Information Systems Option 3501 and Game Development Option 3504. Computer elective for all other Information Technologies options.

10. **Format for offering the course (check all that apply)**

☒Traditional   On-Line   ☒Hybrid