

**University of Cape Coast**  
**College of Agriculture and Natural Sciences**  
**Department of Computer Science and Information Technology**

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**Code & Title:** CSC 105 – Foundations of Computing

**Credits:** 3

**Level:** 100 and 200

**Department:** Computer Science and Information Technology

**Course Coordinators:** Emmanuel Derry, John Arthur Junior, and Kingsly Opoku Antwi

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**COURSE DESCRIPTION:** CSC 105 Foundations of Computing is a three (3) credit hours course that teaches the basics of computers. This course runs through the entire semester and is designed to equip students with in-depth knowledge of computers and their related systems.

**COURSE CONTENT**

UNITS	TOPIC
1	Introduction to Computers
2	Classification of Computers.
3	Computer Hardware (Basic Input/Out System (BIOS))
4	Computer Software
5	Computer Networks
6	Computer Virus
7	Ethics in Computing

**LEARNING OUTCOME**

Upon successful completion of this course, students will have an in-depth understanding of basic computer terminologies and the new trends in computing. Students will be able to:

- Demonstrate a fundamental understanding of the history of computers and its foundations.
- Describe and identify the uses of computer components.
- Understand the Internet network technologies and underlying principles
- Identify virus threats to computers
- Identify and understand ethics in computing.

**COURSE MATERIAL**

**Required textbook for this course:**

- Shelly, G.B. and Vermaat, M. E. (2012) Discovering Computers Fundamentals Living in a Digital World, 2012 Edn, Cengage Learning.

### **Other recommended books:**

- Shelly, G.B., Cashman, T.J., Vermaat, M.E. Walker, T.J. (2011) Discovering Computers 2011: Complete, Cengage Learning
- Shelly, G.B. and Vermaat, M. E. (2010) Microsoft Office 2010: Introductory, Cengage Learning.
- Shelly, G.B., Gunter, G. A. and Gunter, R. E. (2011) Teachers Discovering Computers: Integrating Technology in the Classroom, 7<sup>th</sup> Edn, Cengage Learning
- Laberta, C. (2011) Computers Are Your Future Complete, 12<sup>th</sup> Edn, Prentice Hall.
- Evans, A. Martin, K. and Ann, M Poatsy,( 2013) Technology in Action-Complete, 10<sup>th</sup> Edn, Prentice Hall.

### **COURSE EVALUATION**

<b><u>Assessment Task</u></b>	<b><u>Weighting</u></b>	<b><u>Individual/Group</u></b>
Assignment	5%	Group
Assignment	5%	Individual
Quiz 1	15%	Individual
Quiz 2	15%	Individual
Final Exam	60%	Individual

**PARTICIPATING ACTIVELY AND WITH COURTESY:** You are expected to participate in class by asking questions and engaging in discussions. These include but are not limited to, being a good listener, taking notes, using proper language, and respecting each other. In addition, you are expected to behave in a professional and collegial manner. This means unruly behavior, anger, louder-than-normal frustrations, or language will not be tolerated in my class and such behavior may lead to being expelled from the class.

### **POLICIES,**

1. Academic Integrity: Any student caught cheating will receive a zero **(0)** on the **assignment/quiz/exam** and be reported to the appropriate University office. **Avoid Plagiarism.** Always remember, if you use any external sources, you must cite them.
2. Late Assignments/Project Submissions: Late submissions will incur a penalty: of **20% per day.**
3. Sickness or other unplanned or extraordinary events that happen will be dealt with individually. It is your responsibility to ensure your situation is known to the instructor as soon as reasonably possible.
4. Lateness and Attendance: Please do not be late. You are an essential part of the class. Your participation is an essential part of the class. If you are **10 minutes late**, you will not be allowed to enter the class else please be courteous to others when entering.

**NB: Quiz and Assignment dates will be announced.**