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|  | Hashemite University |  |
| | Prince Al-Hussein bin Abdullah II Faculty for Information Technology | |
| | Department of Computer Science and its Applications | |

Course Syllabus

Year: 2018-2019

Semester: (1)

| Course No. | Course Title | Designation | Prerequisite | Co-requisite | Credit Hours Lectures /Lab. |
|------------|---------------------------------|-------------|--------------|--------------|--------------------------------|
| 151001101 | Introduction to Programming Lab | Required | | 151001100 | 0/ 1 |

| Instructor Name | E-mail | Office No. | Office ext. | Office Hours |
|----------------------|--|------------|-------------|-----------------------|
| Mr Muhsen Alkhalidy | Muhsen@hu.edu.jo | 245 | - | Sun, Tue, Thu (11-12) |
| Mr. yaser qawsmeh | y_quasmeh@yahoo.com | 245 | - | Sun, Tue, Thu (10-11) |
| Mrs. Maryam Zawahreh | Maryam_Alz@yahoo.com | 6 | | Mon, wed(9:30.11) |
| Dr. Bashar Igrid | | Cs | - | - |

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| Coordinator's Name: | Mr. Yasser Qawasmeh |
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| Course Description | The course provides an introduction to programming in C++, algorithms, algorithm design, variables and data types, selection and repetition statements, functions, arrays, and string processing. |
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| a) Textbook(s): |
| 1. C++ Programming: from Problem Analysis to Program Design, 2nd edition, D.S. Malik |
| b) Additional References: |
| 1. C++ How to Program, 8th edition, Deitel&Deitel, Prentice Hall |

| Course Learning and Outcomes CLOs | |
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| 1. Recognize the basics of programming in C++ | (2) |
| 2. Use control structures (selection/repetition) to implement C++ applications | (2) |
| 3. Use functions in designing C++ applications. | (2) |
| 4. Use arrays and strings in designing C++ applications. | (2) |
| Addressed Student Learning Outcomes (SLOs) | |
| 2 | |

| Topic Details | Course ILO number | Reference | No. of Weeks | Contact hours |
|-------------------------------------|-------------------|-----------|--------------|---------------|
| 1. Basic Elements of C++. | 1 | Ch2 | 2 | 6 |
| 2. Input / Output. | 1 | Ch3 | 1 | 3 |
| 3. Control Structures- [selection]. | 2 | Ch4 | 2 | 6 |
| 4. Control Structures-[repetition]. | 2 | Ch5 | 2 | 6 |
| 5. User-defined Functions 1. | 3 | Ch6 | 2 | 6 |
| 6. User-defined Functions 2. | 3 | Ch7 | 2 | 6 |
| 7. Arrays | 4 | Ch8 | 3 | 9 |
| Total | | | 15 | 45 |

| Assessment method | Grade | Comments |
|-------------------|-------|-------------------------|
| MID Exam | 40% | Covers Chapters 1,2,3,4 |
| QUIZ | 10% | |
| Final Exam | 50% | Covers all topics |
| Total | 100% | |