**University of Asia Pacific**

Department of CSE

**Lesson Plan**

**Course Code & Title:** CSE 204, “Computer Programming Lab II”

**Semester:** Level 2, Term 1 (Fall 2017)

**Teacher:** Dr. Md. Rajibul Islam

**Office/Room: 7th Floor, Extended Teacher’s Compound**

**Consultation/Contact time:**

|  |  |  |  |
| --- | --- | --- | --- |
| Sunday | Monday | Tuesday | Thursday |
| 9:30-11:00 | 11.00-5:00 | 11.00-5:00 | 9:30-11:00 |

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**Course outline:** \* Introduction to JAVA

* Variables, data types, Arrays.
* Classes, Constructors, Objects
* Inheritance, Interface, Abstraction
* Applet, networking, AWT

**Teaching method:** Offline, Online, project, viva

**Prerequisites:** N/A

**Course / Class schedule**

|  |  |
| --- | --- |
| **Schedule** | **Topic** |
| Lab 1 | Java code compilation. Introduction to Netbeans, Eclipse and Command Line |
| Lab 2 | Java Classes and Constructors, destructors , Variables, arrays, control statements |
| Lab 3 | Introduction to Swing, assigning project -1, Simple Calculator |
| Lab 4 | Submission of project-1, Assignment of project – 2, Tic Tac Toe |
| Lab 5 | Submission of project -2, Inheritance |
| Lab 6 | Interface |
| Lab 7 | JDBC, assignment of project -3 |
| Lab 8 | Threading, project review - 1 |
| Lab 9 | File and StringTokenizer, project review – 2 |
| Lab 10 | Project -3 submission with presentation (no make-up/ mandatory) |
| Lab 11 | Assignment of project – 4, Networking |
| Lab 12 | Project review |
| Lab 13 | Final Submission of project - 4 |
| Lab 14 | Jason and java graphics |

**Basic text(s): Java the Complete Reference**, 8th edition,

Herbert Shieldt

**Reference text(s):** Author(s), Name of Book, Edition, Year, Publisher

**Additional reading material:** www.tutorialspoint.com

**Assessment methods:**

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| --- | --- |
| Component | Weight/percentage |
| Assessment | 50% |
| Class participation | 10% |
| Projects | 20% |
| Viva/Quiz | 20% |
| Total | 100% |

**Grading system:** Grading system to be followed for the course

**Students’ responsibilities:** What students should do to extract the most out of the course?