

December 2016 Enrichment

Date (sorted by)	Title/Fees	Description
12-16 Dec 0930 - 1730 @SIS SR3.1 Class is Full	Python for data analytics series [Part 1] Fees: \$30	<p>If you make a simple search on job portals you will easily understand how important it is for the aspiring data analysts and data scientists to know programming. Based on our experience and industry discussions from time to time we know that there is a solid demand for analysts who can program using Python. At the same time fast evolving Fintech industry is also calling for python developers.</p> <p>For:</p> <ul style="list-style-type: none"> - All SMU students - Anyone who wants to learn Python <p>Prerequisites: We assume no prior background in programming whatsoever and we will deal with everything from scratch. So if you aspire to be good at data analytics sign up now!</p> <p>Min class size: 10 (the class will run only if the min size is met)</p> <p>Max class size: 40</p> <p>Instructors: Prakash Sukhwai, Joelle Elmaleh</p> <p>Syllabus: This enrichment course is a 2-part series:</p> <p>Part 1. Python Basics: Introduction to basic python programming covering variables, data structures, conditionals, loops, functions, file handling and charting with matplotlib and javascript.</p> <p>Part 2. Python for Data Analytics (Summer 2017 tentatively): Introduction to advanced python modules for data analytics covering Pandas and machine learning library scikit-learn.</p>

Summer Courses

Date (sorted by)	Title/Fees	Description
Run 1 13-15 Jun 0930 - 1730 @TBC by Yeow Leong FULL Run 2 17 Jun, 20-21 Jun	Basic Web Application Development with JSP & Servlets Fees: \$25	<p>For: Students who will be taking SE or IS480</p> <p>Prerequisites: Generally proficient in Java programming and completed OOAD.</p> <p>Min class size: 20 (the class will run only if the min size is met)</p> <p>Max class size: 50</p>

<p>0930 - 1730 @TBC by Yeow Leong</p> <p>Run 3 2-4 Aug 0930 - 1730 @TBC by Fiona Lee</p>		<p>Instructors: Yeow Leong, Fiona Lee</p> <p>Syllabus: This course introduces students to web architecture, and application development using JSP. By the end of this course you will know to build a database-driven web application and to deploy to Openshift, a cloud-based hosting solution. This course will cover the essentials to prepare you for software engineering.</p>
<p>Run 1 13-15 Jun 0930 - 1730 @SR2.4 by Yeow Leong FULL</p> <p>Run 2 17 Jun, 20-21 Jun 0930 - 1730 @SR3.3 by Yeow Leong</p> <p>Run 3 2-4 Aug 0930 - 1730 @SR3.4 by Fiona Lee FULL</p>	<p>Basic Web Application Development with JSP & Servlets</p> <p>Fees: \$25</p>	<p>For: Students who will be taking SE or IS480</p> <p>Prerequisites: Generally proficient in Java programming and completed OOAD.</p> <p>Min class size: 20 The class will run only if the min size is met</p> <p>Max class size: 50</p> <p>Instructors: Yeow Leong, Fiona Lee</p> <p>Syllabus: This course introduces students to web architecture, and application development using JSP. By the end of this course you will know to build a database-driven web application and to deploy to Openshift, a cloud-based hosting solution. This course will cover the essentials to prepare you for software engineering.</p>
<p>28-29 Jul, 1-3Aug Same duration (5 days) for all the parallel 5 runs Note the difference in venue for Day 2 all runs</p> <p>Run 1: Hong Ngoh 0930 - 1630 28 Jul : SoE SR3.2 29 Jul : SoA SR1.3 1-3 Aug: SoE SR3.2</p> <p>Run 2:</p>	<p>Java Fundamentals</p> <p>Fees: \$25</p>	<p>This is a 5 full day course, but there will be 5 parallel runs. Each run will start on 28th Jul and ends on 3 Aug.</p> <p>For: Mainly for new batch of freshmen or IS second major students from other schools.</p> <p>Prerequisites: nil</p> <p>Register for this and the students will be distributed 1 of 5 runs. Max class size per run: 40 (there will be 5 runs)</p> <p>Instructors (not in order of the runs) : CHUA Hong Ngoh, Joelle DUCROT, KOH Kwan Chin, ONG Hong Seng, RAMACHANDRA RAO Vandana</p> <p>Syllabus: Basic java programming concepts and practical training. Includes at least topics such as: - Installation, PATH, compiling and running, main() method - variables & data types - String class - operators precedence</p>

<p>Hong Seng 0930 - 1700 28 Jul : SR3.3 29 Jul : SoE SR3.4 1-3 Aug: SR3.3</p> <p>Run 3: Joelle 0930 - 1700 28 Jul : SR2.4 29 Jul : SoE SR3.5 1 Aug: SR3.4 2-3 Aug: SR2.4</p> <p>Run 4: Kwan Chin 0930 - 1630 28 Jul : SoE SR3.3 29 Jul : SoE SR5.2 1-3 Aug: SoE SR3.3</p> <p>Run 5: Vandana 0930 - 1645 28 Jul : SoE SR 3.1 29 Jul : SoA SR1.2 1-3 Aug: SoE SR 3.1</p>		<p>- conditionals (if/ if-else / nested ifs) - loops (for, while) - scanner (with regards to object manipulation)</p> <p>Notes:</p> <ul style="list-style-type: none"> • You will be assigned to a run after registration closes • You will need a laptop for this course. • Any pre-course preparations details will be sent to you by the respective instructor nearer to the course date.
<p>27th Apr 1000 - 1700 @SR3.4</p>	<p>Bootstrap & CSS Fees: \$10</p>	<p>For: Students who wants to learn how to design beautiful web pages using HTML & CSS. It can be helpful for students taking SE or IS480/FYP.</p> <p>Prerequisites: Nil</p> <p>Min class size: 15 (the class will run only with min size) Max class size: 40</p> <p>Student Instructors: Kong Yu Jian, Joshua Quek</p> <p>Syllabus Details: This class covers the basics to frontend web design. HTML tag structuring and basic page manipulation using JavaScript and CSS. Bootstrap framework will be covered.</p>
<p>28th Apr 1000 - 1700 @SR3.4</p>	<p>jQuery : Javascript Fees: \$10</p>	<p>For: Learn how to make your web pages dynamic and reactive using Javascript & JQuery. It can be helpful for students taking SE or IS480/FYP.</p> <p>Prerequisites: Students who have basic JavaScript knowledge.</p>

		<p>Min class size: 15 (the class will run only with min size) Max class size: 40</p> <p>Student Instructors: Kong Yu Jian, Joshua Quek</p> <p>Syllabus Details: Learn how to apply JQuery onto front-end HTML pages to allow them to make a page dynamic without needing it. Learn how to handle REST request/response using JQuery's AJAX.</p>
<p>29th Apr 1000 - 1700 @SR3.4</p>	<p>MeteorJS Web Framework : Javascript</p> <p>Fees: \$10</p>	<p>For: Be able to build a web application using MeteorJS by the end of this course. It can be helpful for students taking IS480/FYP.</p> <p>Prerequisites: Students who have taken SE or prior web application design & development. Basic understanding on database management will be helpful as well.</p> <p>Min class size: 15 (the class will run only with min size) Max class size: 40</p> <p>Student Instructors: Kong Yu Jian, Joshua Quek</p> <p>Syllabus Details: This class covers the basics of MeteorJS, a full stack web framework built on JavaScript, HTML and CSS, which also uses a NoSQL-type database, MongoDB. The class will cover the basics of building a simple web application on MeteorJS. By the end of the lesson, students should have a basic understanding of the frontend components (Blaze) and backend components (events, helpers, routing, collections etc) of MeteorJS.</p>
<p>8 Jun 1000 - 1500 @SR2.4</p>	<p>Introduction to software design</p>	<p>For: Students who will be taking SE or IS480</p> <p>Prerequisites: Generally proficient in Java programming and completed OOAD.</p> <p>Min class size: 10 The class will run only if the min size is met</p> <p>Max class size: 40</p> <p>Student Instructor: Ms Sally Chin</p> <p>Syllabus: Learn how to write less code, save yourself time, and have less headaches when working on projects when you join this course. You will learn how to make better decisions when developing software and why it is important based on the 'Dependency Graph Model' methodology coined by our very own professor Kevin Steppe!</p>

<p>11-13 Jul 0930 - 1700 @SIS MR4.7</p>	<p>SalesCloud</p> <p>Fees: \$60</p>	<p>For: Students who are interested in learning more about sales force functionalities that allows them to quickly get up to speed on the Salesforce Sales Cloud and its productivity tools.</p> <p>Prerequisites: Basic operation of an application through web browser</p> <p>Min class size: 12 (the class will run only if min size) Max class size: 25</p> <p>Instructors: LEE Kok Khing</p> <p>Syllabus: Students will learn how a Sales Representative will use the Sales Cloud to prospect for clients, manage accounts and opportunities, manage workflow, communicate with clients, and run reports. Students will also learn how a Sales Manager analyzes and improves sales processes from lead assignment to deal closure using Salesforce Sales Cloud.</p> <p>Notes:</p> <ul style="list-style-type: none"> · SMU is conducting this inaugural run of this course under the Salesforce Academic Alliance.
<p>14-15 Jul 0930 - 1700 @ SOE SR3.8</p>	<p>Fundamentals of Building Web Applications with JavaScript</p> <p>Fees: \$15</p>	<p>For: Students interested in developing web applications with JavaScript</p> <p>Prerequisites: Generally proficient in Java programming.</p> <p>Min class size: 15 (the class will run only with min size) Max class size: 35</p> <p>Instructors: Kwan Chin</p> <p>Syllabus: This course attempts to introduce students who have no prior experience in JavaScript to developing dynamic web applications with basic JavaScript programming.</p> <p>The following topics will be covered:</p> <ol style="list-style-type: none"> 1. Introduction to JavaScript Language 2. Basics of CSS Framework / Document Object Model 3. Using JQuery to simplify development 4. Data Manipulation 5. Integration with 3rd party libraries/API