

December Courses

Date (sorted by)	Title/Fee	Description
<p>Run 1: 9 - 13 Dec 0900 - 1700hrs by Hong Seng @SR 3.1</p> <p>Run 2: 9 - 13 Dec 0930 - 1730hrs by Lay Foo @SR 3.2</p>	<p>Java Programming</p> <p>Fees: \$50</p>	<p>For: It is a good follow-up to what is covered in IS200, and you will learn more about the Java programming language which will come in handy for the next course, IS201 (Object-Oriented Application Development).</p> <p>Prerequisites: Completed ISSF (IS200), or Fundamentals of the Java Programming Language</p> <p>Min class size: 30 (this course will run only if we have at least this number of students)</p> <p>Max class size Run 1 : 45 Run 2 : 40</p> <p>Notes:</p> <ul style="list-style-type: none"> SMU is conducting this course under the Oracle Academy. This course covers the official syllabus of the Oracle Certified Java Programmer (OCJP) certification. Participants are encouraged to take the certification exam after attending this course. This is a very intensive Java programming course & a good “follow-up” from the fundamental course.
<p>9 Dec (Mon) 9.00 - 12.00pm @TBC venue</p>	<p>Introduction to Javascript</p> <p>Fees: \$10</p>	<p>For: Students who are keen to learn about basic Javascript.</p> <p>Prerequisites: None needed</p> <p>Syllabus: This introduction to Javascript will cover how Javascript works in modern web browsers and how you can use Javascript to create more modern websites.</p> <p>Min class size: 12 (the course will run only if we have at least this number of students)</p> <p>Max class size: 40</p> <p>Requires laptop & network access.</p> <p>Instructor: Chris Boesch</p>
<p>9 Dec (Mon) 1.00 - 4.00pm @TBC Venue</p>	<p>Introduction to Python and Big Data Analytics</p> <p>Fees: \$10</p>	<p>For: Students who are keen to learn about basic python and big data analytics</p> <p>Prerequisites: None needed.</p> <p>Syllabus: This introduction to python will cover how python is used to read in an analyze unstructured and semi-structured to do big data analytics in modern cloud services.</p> <p>Min class size: 12 (the course will run only if we have at least this number of students)</p> <p>Max class size: 40</p>

		<p>Requires laptop & network access.</p> <p>Instructor: Chris Boesch</p>
<p>10 Dec (Tue) 9.00am - 12.30pm</p> <p>@SIS, SR3.4</p>	<p>IT Governance</p> <p>Fees: \$10</p>	<p>For: Students interested in the governance of enterprise IT, IT audit, risk and compliance.</p> <p>Prerequisites: None</p> <p>Syllabus: What is IT Governance</p> <ul style="list-style-type: none"> · Frameworks for the governance of enterprise IT · COBIT v4.1 framework and application · Case example of SMU's IT Governance Implementation Journey · Careers in IT Governance, Information Security, Information Risk Management and Compliance – CGEIT, CISM, CISA, etc. <p>Min class size: 15 (the class will only run if the min number is met)</p> <p>Max class size: 45</p> <p>Requires laptop & network access.</p> <p>Instructor: Tang Ai Chee</p>
<p>12 - 13 Dec 10.00am - 6.00pm</p> <p>@SIS, SR3.3</p>	<p>Ruby/Rails</p> <p>Fees: \$10</p>	<p>For: Students who interested in this language or might be using this for IS480.</p> <p>Prerequisites: Basic programming.</p> <p>Syllabus: This 2-day workshop will cover the fundamentals of the Ruby on Rails framework, and is suitable for programming beginners; basic knowledge of programming is required. The workshop covers how Rails builds web applications using MVC (model view controller) paradigm, with hands-on exercises to venture deeper into each layer of a web application.</p> <p>Min class size: 15 (the class will only run if the min number is met)</p> <p>Max class size: 45</p> <p>Instructors: Our Alumni - Jaryl Sim</p> <p>I'm the technical founder at Tinkerbox Studios, which I built from the ground up whilst pursuing my degree. Today, we help startups build web applications on Ruby on Rails, utilizing Lean UX and Lean Startup techniques to manage project uncertainty.</p> <p>I got my start in technology when I was in secondary school, learning C/C++ to pursue my interest in game development. I eventually grew out of that and learned about web development, using the .Net platform.</p> <p>When I picked up Ruby on Rails, back in 2008, I was exposed to a new way of working on software. The ruby community was a gold mine of not just</p>

		<p>best practices, but innovative endeavors that moved the web forward, and I had to be a part of that community.</p> <p>Joshua Teng</p> <p>After dropping out of Georgia Tech, Josh started teaching himself web development. He has been freelancing for the past 3 years specializing in Ruby-on-Rails.</p> <p>He has recently begun developing for iOS. He is obsessive about a few things including coding, creating solutions, chilling with friends, and 'Walking Dead'. He went through a similar bootcamp in San Francisco and wanted to share his experience with everyone. "It's the best way to learn!", according to him.</p> <p>He wants to use his experience self-teaching himself and also going through a similar bootcamp to better relate and help beginners to learn the most effective way possible.</p>
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Past Courses - Summer

Date (sorted by)	Title/Fee	Description
<p>9th Oct (Wed) by Kan Siew Ning</p> <p>@SIS SR2.2 2.00 - 5.30pm</p>	<p>A Day in the Life of a CIO</p> <p>Fees: Free</p>	<p>For: Year 4 and Year 3 students</p> <p>Prerequisites: Should have completed the SIS core modules</p> <p>Min class size: 15 (if class size falls below this, we will consider cancelling this class)</p> <p>Max class size: 45</p> <p>Syllabus:</p> <ul style="list-style-type: none"> - Running a data center - Managing real IT projects - How IT security really works - Managing an IT investment model - How to leverage on external consultants
<p>22 - 26 Jul (5 full days)</p> <p>Run 1: by Lay Foo @SR3.1 0930 - 1700hrs</p> <p>Run 2: by Vandana Mon @SR2.1</p> <p>Tue - Fri @SR3.2 0930 - 1700hrs</p> <p>Run 4: by Hong Ngoh @SR3.3</p>	<p>Fundamentals of the Java Programming Language</p> <p>Fees: \$25</p>	<p>For: New batch of freshmen</p> <p>Prerequisites: nil</p> <p>Max class size: Stated below</p> <p>Instructors: Hong Ngoh (45/run), Lay Foo (40/run), Vandana (45/run), Yeow Leong (50/run)</p> <p>Syllabus: The Fundamentals of the Java Programming Language course was designed to enable students with little or no programming experience to begin to learn programming using the Java programming language. The course teaches the significance of object-oriented programming, the keywords and constructs of the Java programming language, and the steps required to create simple Java technology programs. Students taking this course can receive a solid basis in the Java programming language upon which to base continued work and training. The course features the Java Platform, Standard Edition 6 (Java SE 6) platform, and uses the Java SE Development Kit 6 (JDK 6) product.</p>

0930 - 1730hrs		Notes: <ul style="list-style-type: none"> ● SMU is conducting this course under the Oracle Academy. This course covers the official syllabus of the Oracle Certified Java Associate (OCJA). ● Number of actual runs and instructors will depend on the enrollment. ● You will need a laptop for this course. ● Any pre-course preparations details will be sent to you by the respective instructors nearer to the course date.
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Courses in Summer (registration closed)

Date (sorted by)	Title/Fees	Description
Run 1: 29 - 30 Apr (full) 9am - 5pm SIS SR 2.1 Run 2: new run 2 - 3 May 9am - 5pm SIS SR 2.4	Project Management Game Fees: \$20	For: Students who are keen to learn and experience how to be an effective project manager. Prerequisites: Nil Syllabus: <ul style="list-style-type: none"> ● Practice effective project management skills in a fun way through a project management simulation game. ● Understand the key elements of the project management framework, including project stakeholders, the project management knowledge areas, common tools and techniques, and key project success factors. Min class size: 12 Max class size: 45 Instructors: Lee Wee Leong, Joelle Ducrot
Run 1: 13 - 17 May <i>by Yeow Leong</i> Run 2: 31 Jul, 1-2, 5-6 Aug 9am - 5.30pm SIS SR2.2 <i>by Fiona</i> Run 3: new run 1-5 Jul <i>by Yeow Leong</i>	Web Component Development with Servlets & JSPs, Java EE 5 Fees: \$50	For: Students who will be taking SE or IS480 Prerequisites: Generally proficient in Java programming. Preferably completed SL275. Max class size: Run 1: 50/run Run 2: 45/run Run 3: 50/run Instructors: Lee Yeow Leong, Fiona Lee Bonus! Run 1: You have to decide on the Difficulty Level at the start of course. Difficulty Level: ** \$10 Capital Land Voucher + Remote presentator if pass the hands-on test Difficulty Level: * \$10 Capital Land Voucher if pass a paper quiz Run 2: \$15 Capital Land Voucher Syllabus: JavaServer Pages (JSP page) technology and servlets are the key web-tier

		<p>technologies defined in the Java Platform, Enterprise Edition (Java EE platform). The Web Component Development With Servlet and JSP Technologies course provides experienced developers of Java technology applications the knowledge and skills to quickly build web applications from JSP page and servlet technologies using the Sun Java System Application Server, and the Apache Struts framework. Students are exposed to the current methods for analyzing, designing, developing, and deploying web applications with Java technologies. Lab exercises provide students with experience in constructing and deploying the small-to-medium scale web applications found in intranet and low-volume commercial sites. The course features the Java EE 5 technology, and uses the Java EE 5 SDK. The students perform the lab exercises using the NetBeans Integrated Development Environment (IDE). This course is also a recommended method for preparing for the Oracle Certified Professional, Java EE 5 Web Component Developer certification examination.</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. SMU is conducting this course under the Oracle Academy. This course covers the official syllabus of the Oracle Certified Expert, Web Component Developer certification. 2. This course will cover MORE than the essentials to prepare you for Software Engineering.
<p>Run 1: 20 - 21 May</p> <p>Run 2: (cancelled) 23 - 24 May</p>	<p>Web Application Development with JSP & Servlets</p> <p>Fees: \$20</p>	<p>For: Students who will be taking SE or IS480</p> <p>Prerequisites: Generally proficient in Java programming and completed OOAD.</p> <p>Max class size: 55</p> <p>Instructors: Lee Yeow Leong</p> <p>Syllabus: This course introduces students to web architecture, and application development using JSP. By the end of this course you will know how to deploy and configure Tomcat and be able to build a database-driven web application. This course will cover the essentials to prepare you for software engineering.</p> <p>Bonus! Students who completed the course with full attendance and passed the quiz at the end of the course will be awarded a Remote Presenter.</p> <p>Note: Students who sign up for our Oracle course “Web Component Development with Servlets & JSPs, Java EE 5” are not allowed to sign up for this class.</p>
<p>9 May (Thu) 9.00 - 12.00pm</p> <p>@SIS SR2.4</p>	<p>Introduction to Javascript</p> <p>Fees: \$10</p>	<p>For: Students who are keen to learn about basic Javascript.</p> <p>Prerequisites: None needed</p> <p>Syllabus: This introduction to Javascript will cover how Javascript works in modern web browsers and how you can use Javascript to create more modern websites.</p>

		<p>Min class size: 12 (the course will run only if we have at least this number of students)</p> <p>Max class size: 40</p> <p>Requires laptop & network access.</p> <p>Instructor: Chris Boesch</p>
<p>9 May (Thu) 1.00 - 4.00pm @SIS SR2.4</p>	<p>Introduction to Cloud Computing</p> <p>Fees: \$10</p>	<p>For: Students who are keen to discover Cloud Computing.</p> <p>Prerequisites: Nil</p> <p>Syllabus: In this course, students will be introduced to some of the basic Cloud Computing concepts and launch their first application on the public cloud. The labs will be done on a Cloud-based platform so attendees will have an opportunity to both work on the cloud and deploy applications to the cloud.</p> <p>Min class size: 12 (the course will run only if we have at least this number of students)</p> <p>Max class size: 40</p> <p>Requires laptop & network access.</p> <p>Instructor: Chris Boesch</p>
<p>21 Jun 9.00 - 6.00pm (Cancelled)</p>	<p>TIBCO ActiveSpaces: in-memory data grid</p> <p>Fees: \$10</p>	<p>For: Students that wish to learn about in-memory data grid technology; uses cases and development tools.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> ● IS301: EI course should be already taken ● TIBCO BusinessWorks (BW) installed ● TIBCO ActiveSpaces (AS), and the AS plug-in for BW to be provided prior to the course <p>Min class size: 4 (the course will run only if we have at least this number of students)</p> <p>Max class size: 20</p> <p>Instructor: Alan Megargel</p> <p>Syllabus:</p> <ol style="list-style-type: none"> 1. Introduction to in-memory data grid technology 2. Demonstration of ActiveSpaces, using shared memory across the students laptops 3. Tutorial on the ActiveSpaces plug-in for BusinessWorks 4. Lab exercises - implementing in-memory data grid solutions
<p>1, 2, 5-7 Aug</p>	<p>RHA030: Red Hat Linux Computing Essentials</p> <p>Fees: \$150</p>	<p>For: Any students interested in learning about Linux, and using Linux.</p> <p>Prerequisites: All participants must complete the certification exams within this year after completing the enrichment course.</p>

	<p>includes</p> <ul style="list-style-type: none"> - necessary learning materials - certification exams 	<p>Max class size: 40/run</p> <p>Instructors: Yeow Leong</p> <p>Syllabus: Students will learn to be effective users of Linux systems, acquiring skills and understanding of command line functions, file systems, users and groups, bash shell, process management, text editors, network applications, searching and organizing data, and graphical applications.</p> <p>SMU is conducting this course under the Red Hat Academy. This course covers the official syllabus that leads to the Red Hat Certified System Administrator.</p>
<p>12 - 16 Aug</p> <p>Time: 12:00 - 6:00 PM</p>	<p>Fundamentals of ASP.NET with C# using MS SQL Server database An Introduction to Silverlight</p> <p>Fees: \$10</p>	<p>For: This course is particularly very beneficial to those participants who are bidding for IS305 EWS module.</p> <p>Prerequisites: Applicants must be familiar with Object oriented concepts.</p> <p>Min class size: 6 (this course will only run if this min number is met) Max class size: 30</p> <p>Instructor: Sonali</p> <p>Syllabus: This course attempts to introduce students to MS.Net fundamentals with basic C# programming in visual studio using SQL Server Database. The following topics will be covered:</p> <ol style="list-style-type: none"> 1. Web Programming using Web controls and Events 2. Client side and ASP.NET server side validations 3. ADO.NET Database programming in ASP.Net with C# using Data controls 4. Introduction to Silverlight Applications

Upcoming courses in later part of Summer/Winter (All information tentative)

Date (sorted by)	Title/Fee	Description
<p>Run 1: Dec 16-20 <i>by Vandana</i> (tentative)</p>	<p>RHA030: Red Hat Linux Computing Essentials</p> <p>Fees: \$150 includes</p> <ul style="list-style-type: none"> - necessary learning materials - certification exams 	<p>For: Any students interested in learning about Linux, and using Linux.</p> <p>Prerequisites: All participants must complete the certification exams within the specified time span after completing the enrichment course.</p> <p>Max class size: 40/run</p> <p>Instructors: Vandana</p> <p>Syllabus: Students will learn to be effective users of Linux systems, acquiring skills and understanding of command line functions, file systems, users and groups, bash shell, process management, text editors, network applications, searching and organizing data, and graphical applications.</p> <p>SMU is conducting this course under the Red Hat Academy. This course covers the official syllabus that leads to the Red Hat Certified System Administrator.</p>