

January 2018 Courses

Date (sorted)	Title/Fees	Description
<p>2 Jan 2018 0900 - 1700 @SIS SR2.4</p>	<p>Front-End Development with ReactJS Workshop</p> <p>Fees: \$12.84</p>	<p>For: Students who aspire to be a full-stack developer or have interest in frontend development</p> <p>Pre-requisites: Have a good understanding of JavaScript, HTML and CSS</p> <p>Note: If you do not meet the pre-requisites, please do not register. There will be no refund for registrants who register but do not meet the pre-requisites.</p> <p>Min class size: 10 (the class will run only with min size) Max class size: 30</p> <p>Invited Instructor (from Credit Suisse): Paul Ng, full-stack developer at Credit Suisse and SIS alumna</p> <p>Syllabus: During this workshop, you will learn to build production-quality frontend codes which are test-friendly and maintainable. The workshop will use some ES6 features such as arrow functions and ES6 classes.</p>
<p>3-5 Jan 2018 0900 - 1700 @SIS SR2.4</p>	<p>Natural Language Processing by Taiger Academy</p> <p>Fees: \$34.24</p>	<p>For: Students interested in learning Artificial Intelligence and practical applications</p> <p>Pre-requisites: Introduction to Programming/IS Software Foundation & Data Management</p> <p>Note: If you do not meet the pre-requisites, please do not register. There will be no refund for registrants who register but do not meet the pre-requisites.</p> <p>Min class size: 20 (the class will run only with min size) Max class size: 30</p> <p>Invited Instructors (from Taiger Academy): Professors and TAIGER'S own engineers</p> <p>Syllabus:</p> <ul style="list-style-type: none"> - 3 day in-depth course on Natural Language Processing, with live examples featuring some of TAIGER'S technology. - This 3-day course will be conducted by professors and TAIGER'S own engineers with a mix of AI theory and hands on with practical AI tools. - Students will not need to have attended the previous Foundations in AI course to gain maximum benefit from this upcoming course.

Past SUMMER 2017 Courses

Date (sorted by)	Title/Fees	Description
10-12 Aug 0900 - 1700 @SIS SR2.4 Full	Natural Language Processing by Taiger Academy Fees: \$34.24	<p>For: Students interested in learning Artificial Intelligence and practical applications</p> <p>Pre-requisites: IS200 IS Software Foundations and IS202 Data Management</p> <p>Note: If you do not meet the pre-requisites, please do not register. There will be no refund for registrants who register but do not meet the pre-requisites.</p> <p>Min class size: 20 (the class will run only with min size) Max class size: 30</p> <p>Invited Instructors (from Taiger Academy): Dr Sinuhé Arroyo, Dr Marcello Leida and Dr. Javier Sastre Martinez</p> <p>Syllabus: Session 1: Introduction to AI Session 2: Knowledge based AI and Machine Learning Session 3: Big Information Processing Session 4: Natural Language Processing</p> <p>Refer to PDF for full details.</p>
3-4 Aug 1200 - 1800 @SIS SR2.4	Jumpstart to Android Programming Fees: \$16.05	<p>For: Students interested to do some android apps either for Project Experience or for own use</p> <p>Prerequisites: Completed OOAD</p> <p>Min class size: 12 (the class will run only with min size) Max class size: 45</p> <p>Student Instructor: WU Jianhua</p> <p>Syllabus: Want to learn how to create Android app? Ever heard of firebase by Google?</p> <p>Firestore provides a features such as Analytics, Database and Storage. Those features enable you to build better apps. In this enrichment, it gives you a jump-start to android development. In which you will learn how to create an app and integrate it with firebase.</p> <p>And here are some of the features of the app:</p> <ul style="list-style-type: none"> - Facebook or Google login - Utilizing GPS to get current location & indicating markers on Google Maps - Utilizing Camera to captured image and upload to Firestore storage and database

		<p>At the end of the 2nd day, there will be demonstration on uploading apps to Google PlayStore and sharing personal tips and experience on what to look out for when uploading app to Google PlayStore!</p> <p>We will be using Android Studio as the IDE to create android application. Don't worry if you are using Mac, as Android Studio support both Windows and Mac Laptop</p>
<p>31Jul, 1-2 Aug 0930 - 1630 @LKCSB SR3.2</p>	<p>Jumpstart to iOS Programming</p> <p>Fees: \$21.40</p>	<p>For: Students interested in to build iOS application</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> - You need a Mac to participate - Generally proficient in Java programming <p>Min class size: 15 (the class will run only with min size) Max class size: 30</p> <p>Instructor: ONG Hong Seng</p> <p>Syllabus: The key idea of the course is to give a jumpstart for student who are interested to build iOS apps</p> <ol style="list-style-type: none"> 1. Getting started 2. Developer Accounting and Provisioning 3. Coding in Swift 4. Building a simple app
<p>2 May 1000 - 1700 @SIS SR2.4 Class is Full</p>	<p>Bootstrap & CSS</p> <p>Fees: \$10.70</p>	<p>For: Students who wants to learn how to design beautiful web pages using HTML & CSS. It will 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 Instructor: 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>3 May 1000 - 1200 @SIS SR2.4</p> <p>Registration Closed</p>	<p>VBA</p> <p>Fees: \$10.70</p>	<p>For: Students who want to learn VBA to help build Excel Spreadsheet Apps. This will be helpful for those who have taken the CAT module.</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 Instructor: Joshua Quek Changed to Alumnus Instructor: PHAM Viet Hai</p> <p>Instructor Bio: Viet Hai is a SMU alumnus with two degrees in Accounting and Business, but has since then forfeited a career in finance to work full time as a Quality Assurance tester for a tech startup come May. He became interested in Visual Basic for Applications after taking Computing as an Analysis Tool, and subsequently has done various bodies of work on it, including workshops and private tuition. He is well-versed in the intricacies of the language, and as a result, will be able to deliver a satisfactory lecture on the subject.</p> <p>Needless to say, VBA was the catalyst that ignited his passion for coding and prompted him to pursue it professionally. He sincerely hopes that it will be the case for someone else too.</p> <p>Syllabus Details: This class covers the basics of VBA in Excel. Overall, by the end of the class, students will learn how to build an Excel App which generates data to a dashboard.</p>
<p>4 May 0930 - 1700</p> <p>5 May 0930 - 1200 @SIS Class Rm B1-1 (Rm B120-2)</p> <p>2 days course</p> <p>Registration Closed</p>	<p>SalesCloud</p> <p>Fees: \$42.80 (subsidised rate to help you. Usual at \$64.20)</p>	<p>ONLY for matriculated students</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>Instructor: 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 course under the Salesforce Academic Alliance.
<p>8-12 May 0930 - 1730 @SIS SR2.1</p>	<p>Python for data analytics series</p>	<p>For:</p> <ul style="list-style-type: none"> SIS students

<p>Class is Full</p>	<p>[Part 1]</p> <p>Fees: \$32.10</p>	<p>- Anyone who wants to learn Python</p> <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 Sukhwal, Joelle Elmaleh</p> <p>Syllabus Details: 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>31 May 1000 - 1700 @TBC</p>	<p>Competitive Programming</p> <p>Fees: \$10.70</p>	<p>For:</p> <ol style="list-style-type: none"> 1. All students who have strong interests in programming 2. Prepare students who are under 25 for ACM ICPC competition. 3 students will be selected to form a team to represent SMU. <p>Prerequisites: IS103 Computational Thinking</p> <p>Min class size: 5 (the class will run only if the min size is met)</p> <p>Max class size: 40</p> <p>Instructor: DAI Bing Tian</p> <p>Syllabus Details:</p> <ul style="list-style-type: none"> • Combinatorial Problems • Dynamic programming • Searches and Heuristics
<p>13-14 Jun 1000 - 1700 @SIS NSR 2-1</p>	<p>Introduction to Software Design</p> <p>Fees: \$16.05</p>	<p>For: Learn Fundamentals and Industry Practices for designing easily modifiable code</p> <p>Prerequisites: Nil</p> <p>Min class size: 10 (the class will run only with min size)</p> <p>Max class size: 40</p> <p>Instructor: Kevin Steppe</p>

		<p>Syllabus Details: Learn how to write less code, save time, and have less headaches working on projects. We will explore the fundamentals of good software design as well as common industry practices. We will go beyond the templates you've seen to explain why they work and when they don't. The course will include open discussion of ideas, hands-on exercises in design, as well as introducing a tool to help visualize and analyze software design. After this course the code you write will be easier to change and extend.</p>
<p>20 Jun 1000 - 1700 @SIS SR B1-1 (Rm B120-1)</p>	<p>Blockchain and Smart Contracts</p> <p>Fees: \$10.70</p>	<p>For: Students who wants to learn how to create and program blockchains and Smart Contracts.</p> <p>Prerequisites: Basic programming experience, Javascript is best.</p> <p>Min class size: 5 (the class will run only with min size) Max class size: 25</p> <p>Instructor: Paul GRIFFIN</p> <p>Syllabus Details: Blockchain and Smart Contracts are at the heart of new disruptions to finance and other industries with crypto-currencies such as BitCoin and distributed ledgers being used by many start-ups. This class provides the background and how to start programming these important technologies. There will be 2 sessions of 3 hours each with a mix of theory and hands-on work. By the end of the sessions participants will be able to install a blockchain, mine blocks and write, deploy and execute Smart Contracts. We will be using Ethereum as the blockchain and Smart Contract engine and program in Solidity. A knowledge of programming is assumed but only up to understanding scripts (ideally Javascript).</p>
<p>18-20 Jul 0930 - 1630 @SIS SR3.1</p>	<p>Fundamentals of Building Web Applications with JavaScript</p> <p>Fees: \$21.40</p>	<p>For: Students interested in developing web applications with JavaScript</p> <p>Prerequisites: Generally proficient in Java programming.</p> <p>Min class size: 20 (the class will run only with min size) Max class size: 35</p> <p>Instructor: KOH 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>

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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