[Foundational Nanodegree](#_fvf7m6oph8hz)

[Business Analytics Nanodegree](#_2vyf9teyf8we)

[Intro-To-Programming Nanodegree](#_nk5x0cee9zmh)

[Digital Marketing nanodegree](#_j6tdm2pma8kg)

[Intermediate Nanodegree](#_y3gqdy1w88m7)

[iOS Developer Nanodegree](#_hkdzraetaou6)

[Data Analyst Nanodegree](#_3gnpv9hkj41)

[Front End Nanodegree](#_zbn9egtg8p7b)

[Android Developer Nanodegree](#_kych1nt8q9ad)

[Predictive Analytics Nanodegree](#_aetbboedmj4w)

[Advanced Nanodegree](#_z9suqiky9osl)

[VR High Immersion](#_7s5esaib10ip)

[Blockchain Developer Nanodegree](#_15jsy292k407)

[Deep learning nanodegree](#_qib4ehbr03g6)

[Data Scientist nanodegree](#_gmkng5pi7qq)

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| **Foundational Nanodegree** | | |

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| **Business Analytics Nanodegree** | | |
| Date | Before session | Session |
| Week 1  8 March | Kick-off | |
| Week 2  15 March | Pass P1: Working with Data project | Welcome to the Program  **Finish P1**: Working with Data project |
| Week 3  22 March | Start watching videos from Introduction to Data  Complete sections:   * Descriptive Statistics I * Descriptive Statistics II | Introduction to Data Part 1 (Descriptive Statistics) |
| Week 4  29 March | Continue watching videos from Introduction to Data  Complete sections:   * Spreadsheets 1: Getting Started * Spreadsheets 2: Manipulate Data | Introduction to Data Part 2 (Spreadsheets) |
| Week 5  5 April | Continue watching videos from Introduction to Data  Complete sections:   * Spreadsheets 3: Analyze Data * Spreadsheets 4: Visualize Data | Introduction to Data Part 3 (Spreadsheets) |
| Week 6  12 April | Continue watching videos from Introduction to Data  Complete sections:   * Business metrics * Excel modeling | Business metrics |
| Week 7  19 April | Pass **P2: Analyze NYSE Data** | Discuss and finish **P2: Analyze NYSE Data** |
| Week 8  26 April | Start watching videos from SQL for Data Analysis  Complete sections:   * Basic SQL * SQL Joins | SQL for Data Analysis Part 1 (Basic SQL & SQL Joints) |
| Week 9  3 May | Continue watching videos from SQL for Data Analysis  Complete sections:   * SQL Aggregations * SQL Subqueries & Temporary Tables | SQL for Data Analysis Part 2 (SQL Aggregations & SQL Subqueries & Temporary Tables) |
| Week 10  10 May | Continue watching videos from SQL for Data Analysis  Complete sections:   * SQL Data Cleaning   Work on **P3: Query a Digital Music Store Database** | SQL for Data Analysis Part 3 (SQL Data Cleaning) + Discussing P3: **Query a Digital Music Store Database** |
| Week 11  17 May | Pass **P3: Query a Digital Music Store Database** | Discuss and finish **P3: Query a Digital Music Store Database** |
| Week 12  24 May | Start watching videos from Data Visualization  Complete sections:   * Introduction to Data Visualization * Design | Data Visualization Part 1 (Introduction to Data Visualization & Design) |
| Week 13  31 May | Ramadan Break | |
| Week 14  7 June | Eid Break | |
| Week 15  14 June | Continue watching videos from Data Visualization  Complete sections:   * Data Visualizations in Tableau * Making Dashboards & Stories in Tableau | Data Visualization Part 2 (Data Visualizations in Tableau & Making Dashboards & Stories in Tableau) |
| Week 16  21 June | Pass **P4: Data Visualization Project** | Finish & GRADUATE |
| Week 17  28 June | Competition | |

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| **Intro-TO-Programming Nanodegree** | | |
| date | Session | Homework |
|  | **Homework to be completed before attending the first session** | Complete Lessons in **Intro to HTML**:   * The Web and HTML * Basic HTML |
| Week 1 Mar 8/9 | **Intro to CSS** | Complete Lessons in **Intro to CSS**:   * Styling with CSS |
| Week 2 Mar 15/16 | **Intro to Python, Part 1** | Submit P1: **Animal Trading Cards**  Complete Lessons in **Intro to Python, Part 1**   * Turtles and Code |
| Week 3 Mar 22/23 | **Intro to Python, Part 1** | Complete Lessons in **Intro to Python, Part 1:**   * Function, Part One * Function, Part Two |
| Week 4 Mar 29/30 | **Toolkit: Shell Workshop**  **Intro to Python, Part 2** | Complete Lessons in **Shell Workshop:**   * Shell Workshop   Complete Lessons in **Intro to Python, Part 2:**   * Python at Home |
| Week 5  Apr 5/6 | **Intro to Python, Part 2** | Complete Lessons in **Intro to Python, Part 2:**   * Strings & Lists |
| Week 6  Apr 12/13 | **Toolkit: Git and GitHub** | Complete Lessons in **Git and GitHub:**   * What is Version control * Create A Git Repo * Review a Repo’s History * Add commit to A Repo * Tagging, Branching, and Merging |
| Week 7 Apr 19/20 | **Toolkit: Git and GitHub** | Complete Lessons in **Git and GitHub:**   * Working with Remotes * Working on another Developer’s Repository * Staying in Sync With A Remote Repository |
| Week 8 Apr 26/27 | **Intro to Python, Part 3** | Complete Lessons in **Intro to Python, Part 3:**   * Working with Files |
| Week 9  May 3/4 | **Competition** | |
| Week 10  May 10/11 | **Intro to Python, Part 3** | Complete Lessons in **Intro to Python, Part 3:**   * Object and Classes   Submit P2: **Rock Paper Scissors** |
| Week 11  May 17/18 | **Intro to JavaScript** | Complete Lessons in **Intro to JavaScript:**   * What is JavaScript * Data Types & Variable * Condition * Loops |
| Week 12 May 24/25 | **Intro to JavaScript** | Complete Lessons in **Intro to JavaScript:**   * Functions * Arrays |
| Week 13  May 31/Jun 1 | **Eid holiday** | |
| Week 14  Jun 7/8 |
| Week 15  Jun 14/15 | **Intro to JavaScript** | * The Document Object Model * Creating Content with JavaScript |
| Week 16  Jun 21/22 | **Intro to JavaScript** | Complete Lessons in **Intro to JavaScript:**   * Working with Browser Events   Submit P3: **Pixel Art Maker** |
| Week 17  Jun 28/29 | Q&A Session | GRADUATE! |

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| Digital Marketing nanodegree | | |
| Date | Session | Homework |
| Week 1  March 8th | **Breaking the Ice and get familiar with each student +**  **A quick briefing on DMND +**  **Start talking about Marketing Fundamentals Part +**  **Collecting student’s “Gmail” account and if they don’t have one, they have to do one and send to SL before the next session!** | * Gmail Account Submission * Study Marketing Fundamentals Part * Being known with Empathy Map * Creating a Persona * Take a look on Google Slides for the Project |
| Week 2  March 15 | **Marketing Fundamentals Cont’d + Content Strategy +**  **P1: Marketing Fundamentals Project** | * Submit the **“Prepare to Market”** project! * Ask the permission to Udacity Facebook Business * Start studying Content Strategy |
| Week 3  March 22 | **Content Strategy “cont'd” + Social Media Marketing +  P2: Market your Content** | * Going deep in the Social Media Channels related to Arab World * Creating a Social Media Channels to their Projects and Measure the Impact * Ask the permission to Udacity Facebook Business * Submit **“Market Your Content”** Project |
| Week 4  March 29 | **Recap Old parts “ Marketing Fundamentals + Content Strategy + SMM” + Social Media Advertising P1** | * Recap the old 2 parts * Ask for Udacity MOZ Account permission |
| Week 5  April 5 | **P3: Social Media Advertising “Facebook-P1” + Social Media Advertising “Cont’d” + SEO Intro** | * Go through Facebook Campaign Creation and create the Facebook campaign in project * Start in the SEO content and How SE works * Ask for Udacity MailChimp account * Submit **“Facebook part 1 Project”** |
| Week 6  April 12 | **P4: Social Media Advertising “Facebook-P2” + SEO “cont’d”** | * Submit **“Facebook part 2 Project”** * Another Case Study from MENA websites to check the performance on it. |
| Week 7  April 19 | **P5: Create an SEO Audit + Search Engine Marketing** | * Submitting **“SEO Project”** Learn more about SEM |
| Week 8  April 26 | **P6: Search Engine Marketing “Google Adwords- P1”+ Search Engine Marketing “cont’d”** | * Submit the first phase of Google Adwords Campaign * Submit the second part from Google Adwords Project * Start in an intro to Display Advertising |
| Week 9  May 3 | **Competition** | |
| Week 10  May 10 | **Search Engine Marketing + Intro to Display Advertising + P7: Search Engine Marketing “Google Adwords- P2”** | * Submit the second part from Google Adwords Project * Take a Quick look on the Display advertising * Recap and solve old problems |
| Week 11  May 17 | **Display Advertising + P8: Display Advertising** | * Take a quick snap about the Display Ads types “images, videos, etc.” * Learn the how to read the numbers and calculate these numbers to be able to rate his/her campaign performance * Submission of Display Advertising Project |
| Week 12  May 24 | **Support Session** | * **Recap on all the prev. Parts and solve all students problems!** |
| Week 13  May 31 | **Off** | **Last Week of Ramadan** |
| Week 14  June 7 | **Off** | **Eid El Fitr** |
| Week 15  June 14 | **Email Marketing + P9: Email Marketing** | * Email Marketing Tactics and how the quality of email list is mandatory in submission any email marketing campaign * Submit the Email Marketing Project |
| Week 16  June 21 | **Measure and Optimize websites through Google Analytics + P10: LinkedIn Project** | * Each student have to create his Google Analytics account! * How to create a UTM code and why the UTMs are Perfect tracking tools through the online Media |
| Week 17  June 28 | **P11: Digital Marketing Conclusion + Q&A** | * Submit “Portfolio Project” * Collecting of all the projects they created and building their portfolio * Graduate :D |
| Week 18  July 5 | **Support Session** | Support Session |

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| **Intermediate Nanodegree** | | |

**FAQs about the iOS Developer Schedule**

**Q1:** What does homework column mean?

**A1:** The homework column contains the tasks that you should complete before coming to the session.

**Q2:** The project deadlines in my classroom are different from the ones in the schedule, which deadlines should I follow?

**A2:** Please follow the ones in the schedule.

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| **iOS Developer Nanodegree** | | |
| **Date** | **Homework (to be completed before coming to the session)** | **Session** |
| Week 1  March 15 | Complete **Welcome to the Nanodegree** section  Complete all lessons in **Learn Swift Programming** | * Getting to know each other * Answering any questions you have about the program * Having useful activities about **Learn Swift Programming** * Introducing a brief about the topics you’ll learn the next week |
| Week 2  March 22 | Complete lessons in **Intro to iOS App Development with Swift:**   * Introduction and Xcode * AutoLayout and Buttons * ViewController and Multiple Views   **Read** the description and the rubric of **project 1: Pitch Perfect**  **Start working on Pitch Perfect and apply what you learned from the lessons above** | * Having useful activities about **Intro to iOS App Development with Swift** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 3  March 29  **This sessions has a project deadline** | Complete lessons in **Intro to iOS App Development with Swift:**   * Delegation and Recording * Playback and Audio Effects * Brainstorm Ideas for Your Final App! * [Optional] Suggested Electives   **Complete Pitch Perfect, submit it, and pass it.** | * Having useful activities about **Intro to iOS App Development with Swift** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 4  April 5 | Complete lessons in **UIKit Fundamentals:**   * Outlets and Actions * View Presentations and Segues * The Delegate Pattern   **Read** the description and the rubric of **project 2:** **MemeMe 1.0: The Meme Editor**  **Start working on MemeMe 1.0: The Meme Editor and apply what you learned from the lessons above** | * Having useful activities about **UIKit Fundamentals** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 5  April 12  **This sessions has a project deadline** | Complete lessons in **UIKit Fundamentals:**   * Build V1.0 of the MemeMe App   **Complete MemeMe 1.0: The Meme Editor, submit it, and pass it.** | * Having useful activities about **UIKit Fundamentals** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 6  April 19 | Complete lessons in **UIKit Fundamentals:**   * Table Views * Navigation * Complete the MemeMe App   **Read** the description and the rubric of **project 3: MemeMe 2.0: The Final Product**  **Start working on MemeMe 2.0: The Final Product and apply what you learned from the lessons above** | * Having useful activities about **UIKit Fundamentals** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 7  April 26  **This sessions has a project deadline** | **Complete MemeMe 2.0: The Final Product, submit it, and pass it.**  Complete **all** the lessons in **AutoLayout**  Complete **all** the lessons in **Sketch UI Elements** | * Having useful activities about **AutoLayout** * Introducing a brief about the topics you’ll learn the next week |
| Week 8  May 3 | Complete lessons in **iOS Networking:**   * Prereq: Associated Values * Prereq: Guards * Prereq: Errors * Prereq: Generics * Prereq: Closure Reloaded * Networking Foundations: HTTP * Networking Foundations: Swift   **Read** the description and the rubric of **project 4: On the Map** | * Having useful activities about **iOS Networking** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 9  May 10 | Complete lessons in **iOS Networking:**   * Intro to Web Services * Consuming Data * Authentication   **Start working on On the Map and apply what you learned from the lessons above** | * Having useful activities about **iOS Networking** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 10  May 17 | Complete lessons in **iOS Networking:**   * Depper API Interaction * Common Networking Challenges * [project] On the Map * [Optional] Suggested Electives   **Continue working on On the Map and apply what you learned from the lessons above** | * Having useful activities about **iOS Networking** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 11  May 24  **This sessions has a project deadline** | **Finalize On the Map, submit it, and pass it.**  Complete **all** lessons in **Find Web APIs** | * Answering any questions you have about networking in iOS * Introducing a brief about the topics you’ll learn the next week |
| Week 12  May 31 | Complete lessons in **Data Persistence and GCD:**   * GCD and Queues * Background Lengthy Tasks * Simple Persistence * iOS File System and Sandboxing * Introducing Core Data   **Read** the description and the rubric of **project 5: Virtual Tourist**  **Start working on Virtual Tourist and apply what you learned from the lessons above** | * Having useful activities about **Data Persistence and GCD** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 13  June 7 | **No session: Ramadan Break** | |
| Week 14  June 14 | **No session: Eid Break** | |
| Week 15  June 21  **This sessions has a project deadline** | Complete lessons in **Data Persistence and GCD:**   * The Core Data Stack * Simpler Code with Core Data * Rounding Out Core Data * [Optional] Suggested Electives   **Continue working on Virtual Tourist and apply what you learned from the lessons above**  **Complete and pass LinkedIn and GitHub projects** | * Having useful activities about **Data Persistence and GCD** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 16  June 28  **This sessions has a project deadline** | **Finalize Virtual Tourist, submit it, and pass it.** | * Answering any questions you have about data persistence in iOS * Discussing the final project * Introducing a brief about the topics you’ll learn the next week |
| Week 17  July 5 | **Read** the description and the rubric of **project 6:** **You Decide**  Complete lessons in **Final Project:**   * Research * Build * Reflect * [Optional] Suggested Electives   **Start working on The final project.** | Discussing the final project rubrics, discussing the different possible ideas of the app, and answering any questions you have about it. |
| Week 18  July 12  **This sessions has a project deadline** | Complete the **final project**, submit it, and pass it. | Graduate! |
| Week 19  July 19 | **Competition for graduates: iOS Apps Hackathon** | |

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| **Data Analyst Nanodegree** | | |
| Date | Before session | Session |
| Week 1  8 March | Kick-off | |
| Week 2  15 March | Start watching videos from Welcome to the Nanodegree  Complete sections:   * Welcome to the Nanodegree * The Life of a Data Analyst   Start P0: Explore Explore Weather Trends | Welcome to the Program  Finish **P1:** **Explore Weather Trends** |
| Week 3  22 March | Start watching videos from Introduction to Data Analysis  Complete sections:   * Anaconda * Jupyter notebooks | Python refresher activity |
| Week 4  29 March | Continue watching videos from Introduction to Python  Complete sections:   * The data analysis process * Case studies * Programming workflow for data analysis | Activity Case study |
| Week 5  5 April | Work on P2 Investigate a Dataset | Finish **P2:** **Investigate a Dataset** |
| Week 6  12 April | Start watching videos from Practical Statistics  Complete sections:   * Descriptive Statistics I * Descriptive Statistics II * Probability * Binomial Distribution | Case study |
| Week 7  19 April | Continue watching videos from Practical Statistics  Complete sections:   * Conditional probability * Bayes rule * Python practice * Normal distribution | Case study |
| Week 8  26 April | Continue watching videos from Practical Statistics  Complete sections:   * Central limit theorem * Confidence intervals * Hypothesis testing | Case study |
| Week 9  3 May | Continue watching videos from Practical Statistics  Complete sections:   * Multiple linear regression * Logistic regression * Work on the project | Finish **P3:** **Analyze A/B test results** |
| Week 10  10 May | Start watching videos from Data Wrangling  Complete sections:   * Introduction to Data Wrangling * Gathering Data   Start P4: Wrangle and Analyze Data | Data wrangling activity |
| Week 11  17 May | Continue watching videos from Data Wrangling   * Assessing Data * Cleaning Data   Continue P4: Wrangle and Analyze Data | Data wrangling activity |
| Week 12  24 May | Continue P4: Wrangle and Analyze Data | Data wrangling activity |
| Week 13  31 May | Ramadan Break | |
| Week 14  7 June | Eid Break | |
| Week 15  14 June | Finish P4: Wrangle and Analyze Data | Finish **P4:** **Wrangle and analyze data** |
| Week 16  21 June | Start watching videos from Data Visualization  Complete sections:   * Data visualization in data analysis * Design of visualizations * Univariate exploration of data * Bivariate exploration of data | Visualizations activity |
| Week 17  28 June | Continue watching videos from Data Visualization   * Multivariate exploration of data * Explanatory visualizations * Visualization case study | Case study |
| Week 18  5 July | Complete the project | Finish **P5** **Data Visualization with Python** |
| Week 19  12 July | Q&A | Graduate |
| Week 20  19 July | Competition | |

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| **Front End Nanodegree** | | |
| date | Session | Homework |
|  | **Homework to be completed before attending the first session** | Complete Lessons in **The Building Blocks of Front-End Development**:   * HTML Syntax * HTML Syntax Problem Set * Exercise : Article to Mockup * CSS Syntax * CSS Syntax Problem Set * How to code faster |
| Mar 8/9 | **The Building Blocks of Front-End Development**: | Complete Lessons in **The Building Blocks of Front-End Development**:   * Why Responsive? * Starting Small * Building UP * Common Responsive Patterns * Optimizations * Making Sites Responsive * Writing READMEs |
| Mar 15/16 | **JavaScript & The DOM** | Start working in **Build a Portfolio Site project**  Complete Lessons in **JavaScript & The DOM:**   * Syntax * The Document Object Model * Creating Content with Javascript * Working with Browser Events * Performance |
| Mar 22/23 | **Web Accessibility** | Submit the **Build a Portfolio Site project**  Complete Lessons in **Web Accessibility:**   * Accessibility Overview * Focus * Semantics Basics   Start working in **Memory Game project** |
| Mar 29/30 | **Web Accessibility** | Submit the **Memory Game project.**  Complete Lessons in **Web Accessibility:**   * Navigating Content * ARIA * Style |
| Apr 5/6 | **Object-Oriented Javascript** | Complete Lessons in **Object-Oriented Javascript:**   * Object in depth * Function at runtime * Classes and Object * Object oriented design |
| Apr 12/13 | **Object-Oriented Javascript** | Complete Lessons in **Object-Oriented Javascript:**   * ES6 Function * ES6 Built-ins * ES6 Professional Developer-fu   Start working in **Classic Arcade Game Clone project.** |
| Apr 19/20 | **Javascript** Tools & Testing | Submit **Classic Arcade Game Clone project.**  Complete Lessons in **Javascript Tools & Testing:**   * Introduction * Productive Editing * Powerful Builds |
| Apr 26/27 | **Javascript** Tools & Testing | Complete Lessons in **Javascript Tools & Testing:**   * Expressive Live Editing * How to prevent Disasters * Awesome Optimizations |
| May 3/4 | **Javascript** Tools & Testing | Complete Lessons in **Javascript Tools & Testing:**   * Rethinking Testing * Writing Test Suites   Start working in **Feed Reader Testing project.** |
| May 10/11 | **Competition** | |
| May 17/18 | Front-End Applications | Submit **Feed Reader Testing project.**  Complete Lessons in **Front-End Applications**:   * Changing Expectations * Refactoring with Separation of Concerns * Creating Promises * Chaining Promises |
| May 24/25 | Front-End Applications | Complete Lessons in **Front-End Applications**:   * Ajax with XHR * Ajax with jQuery * Ajax with Fetch   Submit **Improve Your LinkedIn profile**  Submit **Optimize Your Github profile** |
| May 31/Jun 1 | **Eid holiday** | |
| Jun 7/8 |
| Jun 14/15 | **Front-End Applications** | Complete Lessons in **Front-End Applications**:   * Features of Single Page Apps * Examine a Framework’s Source * Angular * Ember * The Benefits of Offline First * Introducing the Service Worker   Start working in **Restaurant Reviews App project.** |
| Jun 21/22 | **Front-End Applications** | Submit **Restaurant Reviews App project.** |
| Jun 28/29 | Q&A Session | GRADUATE! |

**FAQs about the Android Developer Schedule**

**Q1:** What does homework column mean?

**A1:** The homework column contains the tasks that you should complete before coming to the session.

**Q2:** The project deadlines in my classroom are different from the ones in the schedule, which deadlines should I follow?

**A2:** Please follow the ones in the schedule. **Note that the dates in the schedule are for Fridays, if your session is on Saturday, add 1 to the date, if it’s on Sunday add 2, and so on.**

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| Android Developer Nanodegree | | |
| Date | Homework ( to be completed before coming to the session) | Session Content |
| Week 1  March 8 | None, just attend the session! | * Getting to know each other * Answering any questions you have about the program * Introducing a brief about the topics you’ll learn the next week |
| Week 2  March 15 | Complete **all** lessons in **Developing Android Apps: Part 1**  **Start working on project 1: Sandwich Club and apply what you learned in the lessons above.** | * Having useful activities about **Developing Android Apps: Part 1** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 3  March 22  **This sessions has a project deadline** | **Complete project 1: Sandwich Club, submit it, and pass it.**  Complete all lessons in **Developing Android Apps: Part 2** | * Having useful activities about **Developing Android Apps: Part 2** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 4  March 29 | **Start working on project 2: Popular Movies, Stage 1**  Complete lessons in **Developing Android Apps: Part 3:**   * Lifecycle * Preferences | * Having useful activities about **Developing Android Apps: Part 3** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 5  April 5  **This session has a project deadline** | **Complete project 2: Popular Movies, Stage 1, submit it, and pass it.**  Complete lessons in **Developing Android Apps: Part 3:**   * Content Providers * Android Architecture Components | * Having useful activities about **Developing Android Apps: Part 3** * Introducing a brief about the topics you’ll learn the next week |
| Week 6  April 12 | Complete lessons in **Developing Android Apps: Part 3:**   * Background Tasks * Completing the UI * Polishing the UI   **Start working on project 3: Popular Movies, Stage 2 and apply what you learned in the previous lessons** | * Having useful activities about **Developing Android Apps: Part 3** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 7  April 19  **This sessions has a project deadline** | Complete **project 3: Popular Movies, Stage 2, submit it, and pass it.**  Complete lessons in **Advanced Android App Development:**:   * Welcome to Advanced Android * Fragments * Labraries | * Having useful activities about **Advanced Android App Development** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 8  April 26 | Complete lessons in **Advanced Android App Development:**   * Firebase Cloud Messaging * Places * Media Playback   **Start working on project 4: Baking App and apply what you’ve learned in the previous lessons** | * Having useful activities about **Advanced Android App Development** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 9  May 3 | Complete lessons in **Advanced Android App Development:**:   * Widgets * Espresso * Publishing Your App   **Continue working on project 4: Baking App** | * Having useful activities about **Advanced Android App Development** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 10  May 10  **This sessions has a project deadline** | **Submit and pass project 4: Baking App**  Complete lessons in **Gradle for Android and Java**:   * Gradle Fundamentals * Gradle for Java   **Start working on project 5: Build It Bigger and apply what you learned from the lessons above** | * Having useful activities about **Gradle for Android and Java** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 11  May 17 | Complete lessons in **Gradle for Android and Java**:   * Gradle for Android * Advanced Android Builds * Special Topics   Continue working on **project 5: Build It Bigger** | * Having useful activities about **Gradle for Android and Java** * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 12  May 24  **This sessions has a project deadline** | Finalize **project 5: Build It Bigger, submit it, and pass it.** | * Answering any questions you have about the project * Introducing a brief about the topics you’ll learn the next week |
| Week 13  May 31 | **No session: Ramadan Break** | |
| Week 14  June 7 | **No session: Eid Break** | |
| Week 15  June 14 | Complete lessons in **Material Design for Android Developers:**   * Android Design Fundamentals * Surfaces * Bold Graphic Design | * Having useful activities about **Material Design for Android Developers** * Answering any questions you have about **Make Your App Material** project * Introducing a brief about the topics you’ll learn the next week |
| Week 16  June 21  **This sessions has projects deadlines** | Complete lessons in **Material Design for Android Developers:**   * Meaningful Motion * Adaptive Design * Constraint Layout   Work on **project 6: Make Your App Material, submit it, and pass it**  **Complete and pass project 7: LinkedIn and GitHub projects (you have till Thursday, June 27, 2019 to complete Github and LinkedIn projects)** | * Having useful activities about **Material Design for Android Developers** * Answering any questions you have about theproject * Introducing a brief about the topics you’ll learn the next week |
| Week 17  June 28  **This session has a project deadline** | Work on **project 8: Capstone, Stage 1** in **Capstone Project part, submit it, and pass it.** | * Discussing the project rubrics, discussing the different possible ideas of the app, and answering any questions you have about it. |
| Week 18  July 5 | Start working on **project 9: Capstone, Stage 2** in **Capstone Project part.** | * Answering any questions you have about theproject |
| Week 19  July 12  **This sessions has a project deadline** | Finalize **project 9: Capstone, Stage 2, submit it, and pass it.** | Graduate! |
| Week 20  July 19 | **Competition for graduates: Developing Android Apps with Kotlin Hackathon** | |

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| **Predictive Analytics Nanodegree** | | |
| Date | Before session | Session |
| Week 1  8 March | Kick-off | |
| Week 2  15 March | Watch Welcome to the program and  Pass P1: Working with Data project | Welcome to the Program  **Finish P1**: **Predicting diamond prices** |
| Week 3  22 March | Start watching videos from Problem Solving with Analytics  Complete sections:   * The Analytical problem * Selecting an Analytical framework * Linear Regression | Activity for the analytical problem and linear regression |
| Week 4  29 March | Work on and finish **P2 Predicting catalog demand** | Discuss and finish **P2**: **Predicting catalog demand** |
| Week 5  5 April | Start watching videos from Data Wrangling  Complete sections:   * Understanding data * Data issues * Data formatting * Data blending | Data cleaning activity |
| Week 6  12 April | Work on and finish **P3: Create an analytical dataset** | Discuss and finish **P3: Create an analytical dataset** |
| Week 7  19 April | Start watching videos from Classification Models  Complete sections:   * Classification problems * Binary classification models * Non-binary classification models | Classification activity |
| Week 8  26 April | Work on and finish **P4**: **Predicting default risk** | Discuss and finish **P4**: **Predicting default risk** |
| Week 9  3 May | Start watching videos from A/B testing  Complete sections:   * A/B testing fundamentals * Randomized design tests * Matched pair design tests | A/B Testing activity |
| Week 10  10 May | Work on and finish **P5: A/B test a new menu launch** | Discuss and finish **P5: A/B test a new menu launch** |
| Week 11  17 May | Competition | |
| Week 12  24 May | Start watching videos from Time series forecasting:   * Fundamentals of time series forecasting * ETS models * ARIMA models * Analyzing and visualizing results | Working with time series activity |
| Week 13  31 May | **No session: Ramadan Break** | |
| Week 14  7 June | **No session: Eid Break** | |
| Week 15  14 June | Start watching videos from Segmentation and clustering:   * Segmentation fundamentals * Preparing data for clustering * Variable reduction * Clustering models * Validating and applying clusters * Data visualization in tableau | Clustering activity |
| Week 16  21 June | Work on and finish **P6: Combining predictive techniques** | Finish & GRADUATE |

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| **Advanced Nanodegree** | | |

**FAQs about VR High Immersion Timeline**

If you have any questions about the timeline please read the FAQs below, if your questions were still not answered please ask Udacity Community on Slack and they’ll provide help and guidance.

**Q1:** What is the difference between the homework column and the online activity date column in the timeline?

**A1:** The homework column contains the tasks that you should complete by the specified date in the date column. This helps you follow an organized learning plan and achieve more progress.

The online activity date column illustrates ***when*** we’ll have an online activity about the project you’ll be working on during that week. During the online activity, we’ll cover important information about the project and you’ll get the chance to practice important concepts that will help you complete the project.

**Q2:** The project deadlines in my classroom are different from the ones in the schedule, which deadlines should I follow?

**A2:** Please follow the ones in the schedule.

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| **VR High Immersion** | | |
| **Date** | **Homework ( to be completed by the indicated date)** | **Online Activity Date** |
| Week 1  March 8 | None, just attend the virtual kick-off session! |  |
| Week 2  March 15 | Complete **Welcome to VR High-Immersion Developer** section  Complete lessons in **VR Design:**   * Intro to VR Design * Design Foundations, Ergonomics, and the Puzzler Project   **Read** the description and the rubric of **project 1: Puzzler** |  |
| Week 3  March 22 | Complete lessons in **VR Design:**   * Setting the Scene and Your First User Test * Graphical User Interfaces |  |
| Week 4  March 29 | Complete lessons in **VR Design:**   * Movement Mechanics * Audio Goodness, Game Mechanics, and Feedback * Presenting the work * VR Design Review   Start working on **project 1: Puzzler** and complete a portion of it | **March 25**  We’ll have an activity about **project 1: Puzzler** to cover its description, requirements, and share thoughts about it.  **Activity time: 7:30 PM - 9:30 PM** |
| Week 5  April 5 | Submit and pass **project 1: Puzzler** (focus on writing) |  |
| Week 6  April 12 | Complete lessons in **High Immersion**   * Desktop VR Benefits & Constraints * High Immersion Engineering * Cross-Platform Development * High Immersion Review   **Start working on project 2: Rube Goldberg Game** and complete a portion of it |  |
| Week 7  April 19 | Continue working on **project 2: Rube Goldberg Game** | **April 15**  We’ll have an activity about **project 2: Rube Goldberg Game** to cover its description, requirements, and share thoughts about it.  **Activity time: 7:30 PM - 9:30 PM** |
| Week 8  April 26 | Submit and pass **project 2: Rube Goldberg Game** |  |
| Week 9  May 3 | Complete lessons in **Performance & Publishing:**   * Desktop VR Optimization   **Read** the description and the rubric of **project 3: Performance Bounceback** |  |
| Week 10  May 10 | Complete lessons in **Performance & Publishing:**   * Advanced Lighting * Publishing for Desktop VR * Performance and Publishing Review   Start working on **project 3: Performance Bounceback** and complete a portion of it |  |
| Week 11  May 17 | Continue working on **project 3: Performance Bounceback** | **May 13**  We’ll have an activity about **project 3: Performance Bounceback** to cover its description, requirements, and share thoughts about it.  **Activity time: 10:30 PM - 12:00 AM** |
| Week 12  May 24 | Submit and pass **project 3: Performance Bounceback**  Complete lessons in **Career Services:**   * **VR Portfolio Tips**   Submit and pass **project 4: Strengthen Your Online Presence Using LinkedIn & Optimize Your GitHub Profile (you have till Tuesday, May 28, 2019 to complete them)** |  |
| Week 13  May 31 | **Ramadan Break** | |
| Week 14  June 7 | **Eid Break** | |
| Week 15  June 14 | Complete lessons in **Capstone**:   * Extra Resources   **Read** the description and the rubric of **project 5: Capstone**  **Start working on project 5: Capstone** and complete a portion of it | **June 10**  We’ll have an activity about **project 5: Capstone** to cover its description, requirements, and share thoughts about it.  **Activity time: 7:30 PM - 9:30 PM** |
| Week 16  June 21 | Continue working on **project 5:** **Capstone** | **June 17**  We’ll have a recap activity to discuss any topic you want or answer any questions about any project.  **Activity time: 7:30 PM - 9:30 PM** |
| Week 17  June 28 | Submit and pass **project 5:** **Capstone** |  |

**FAQs about BD Timeline**

If you have any questions about the timeline please read the FAQs below, if your questions were still not answered please ask Udacity Community on Slack and they’ll provide help and guidance.

**Q1:** What is the difference between the homework column and the online activity date column in the timeline?

**A1:** The homework column contains the tasks that you should complete by the specified date in the date column. This helps you follow an organized learning plan and achieve more progress.

The online activity date column illustrates ***when*** we’ll have an online activity about the project you’ll be working on during that week. During the online activity, we’ll cover important information about the project and you’ll get the chance to practice important concepts that will help you complete the project.

**Q2:** The project deadlines in my classroom are different from the ones in the schedule, which deadlines should I follow?

**A2:** Please follow the ones in the schedule.

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| **Blockchain Developer Nanodegree** | | |
| **Date** | **Homework ( to be completed by the indicated date)** | **Online Activity Date** |
| Week 1 March 8 | None, just attend the session! |  |
| Week 2 March 15 | Complete **Term 1 | Blockchain Developer**  Read the description and the rubric of **project 1:** **Create Your Identity on Bitcoin Core.**  Complete lessons in **Blockchain Identity**:   * Blockchain Basics |  |
| Week 3 March 22 | Complete lessons in **Blockchain Identity**:   * Managing Blockchain Transactions * Verify Message Signature   Submit and pass **project 1:** **Create Your Identity on Bitcoin Core** | **March 18 (for Monday session)**  **March 19 (for Tuesday session)**  **Time: 7:30 PM - 9:30 PM**  We’ll have an activity about **project 1:** **Create Your Identity on Bitcoin Core** to cover its description, requirements, and share thoughts about it. |
| Week 4 March 29 | Read the description and the rubric of **project 2: Create Your Own Private Blockchain**.  Complete lessons in **Blockchain Data:**   * Blockchain Data Overview * Bitcoin Core Testnet * Bitcoin Debug Console |  |
| Week 5  April 5 | Complete lessons in **Blockchain Data:**   * Blockchain Data * Private blockchains   Submit and pass **project 2: Create Your Own Private Blockchain**. | **April 1 (for Monday session)**  **April 2** **(for Tuesday session)**  **Time: 7:30 PM - 9:30 PM**  We’ll have an activity about **project 2: Building Your own Private Blockchain** to cover its description, requirements, and share thoughts about it. |
| Week 6 April 12 | Read the description and the rubric of **project 3: Connect Private Blockchain to Front-End Client via APIs**  Complete lessons in **Blockchain Web Services:**   * Planning a Web Service * Web Services with Node.js * Utilizing Third-Party Libraries   Start working on **project 3: Connect Private Blockchain to Front-End Client via APIs** and complete a portion of it |  |
| Week 7  April 19 | Submit and pass **project 3: Connect Private Blockchain to Front-End Client via APIs** | **April 15 (for Monday session)**  **April 16 (for Tuesday session)**  **Time: 7:30 PM - 9:30 PM**  We’ll have an activity about  **project 3: Connect Private Blockchain to Front-End Client via APIs** to cover its description, requirements, and share thoughts about it. |
| Week 8  April 26 | Read the description and the rubric of **project 4: Build a Private Blockchain Notary Service**  Complete lessons in **Blockchain Web Services:**   * Digital Assets with Blockchain Identity.   Submit and pass **project 4: Build a Private Blockchain Notary Service** | **April 22 (for Monday session)**  **April 23 (for Tuesday session)**  **Time: 7:30 PM - 9:30 PM**  We’ll have an activity about  **project 4: Build a Private Blockchain Notary Service** to cover its description, requirements, and share thoughts about it. |
| Week 9  May 3 | Read the description and the rubric of **project 5: Decentralized Star Notary Project**  Complete lessons in **Identity and Smart Contracts:**   * Ethereum Fundamentals and Development Tools * Smart Contracts with Solidity |  |
| Week 10  May 10 | Complete lessons in **Identity and Smart Contracts:**   * Ethereum DAAP   Start working on **project 5: Decentralized Star Notary Project** and complete a portion of it |  |
| Week 11 May 17 | Submit and pass **project 5: Decentralized Star Notary Project**  Complete Term 1 Recap lesson in **Identity and Smart Contracts** | **Wednesday, May 15 (for both groups)**  **Time: 10:30 PM - 12:00 AM**  We’ll have an activity about  **project 5: Decentralized Star Notary Project**  to cover its description, requirements, and share thoughts about it. |
| Week 12  May 24 | Complete lessons in **Term 2 | Blockchain Developer: Architecture:**   * Welcome to Term 2   Complete **both** career projects in **Term 2 | Blockchain Developer: Architecture:**   * **Project 6: Strengthen Your Online Presence Using LinkedIn & Optimize Your Github Profile**   Complete lessons in **Architecture:**   * Intro to Supply Chain * Planning a Blockchain Solution * Supply Chains with Smart Contracts |  |
| Week 13 May 31 | **Ramadan Break** | |
| Week 14 June 7 | **Eid Break** | |
| Week 15 June 14 | Complete lessons in **Architecture:**   * Blockchain Privacy * Smart Contract Security * Distributed File Systems   Submit and pass **project 7: Architect a Blockchain Supply Chain Solution - Part A** | **June 10 (for Monday session)**  **June 11 (for Tuesday session)**  **Time: 7:30 PM - 9:30 PM**    We’ll have an activity about  **project 7:** **Architect a Blockchain Supply Chain Solution - Part A**  to cover its description, requirements, and share thoughts about it. |
| Week 16  June 21 | Start working on **project 8: Architect a Blockchain Supply Chain Solution - Part B** and complete a portion of it | **June 17 (for Monday session)**  **June 18 (for Tuesday session)**  **Time: 7:30 PM - 9:30 PM**  We’ll have an activity about  **project 8:** **Architect a Blockchain Supply Chain Solution - Part B** to cover its description, requirements, and share thoughts about it. |
| Week 17  June 28 | Submit and pass **project 8: Architect a Blockchain Supply Chain Solution - Part B** |  |
| Week 18  July 5 | Complete lessons in **Advanced Blockchain Concepts and Oracles:**   * Course Introduction * Operational Control and Multi-party Consensus * Receive, Transfer, and Pay Funds |  |
| Week 19  July 12 | Complete lessons in **Advanced Blockchain Concepts and Oracles:**   * Smart Contract Upgradability * Oracles * Web Dapp using Web3.js   Start working on **project 9: Flight Surety** and complete a portion of it | **July 8 (for Monday session)**  **July 9 (for Tuesday session)**  **Time: 7:30 PM - 9:30 PM**  We’ll have an activity about  **project 9: Flight Surety** to cover its description, requirements, and share thoughts about it. |
| Week 20  July 19 | Continue working on **project 9: Flight Surety** |  |
| Week 21  July 26 | Submit and pass **project 9: Flight Surety**  Start working on **project 10: Capstone project** and complete a portion of it | **July 22 (for Monday session)**  **July 23 (for Tuesday session)**  **Time: 7:30 PM - 9:30 PM**  We’ll have an activity about  **project 10: Capstone project** to cover its description, requirements, and share thoughts about it. |
| Week 22 August 2 | Continue working on **project 10:** **Capstone project** |  |
| Week 23 August 9 | Submit and pass **project 10: Capstone project** +Celebrate Your Graduation! :) | **August 5 (for Monday session)**  **August 6 (for Tuesday session)**  **Time: 7:30 PM - 9:30 PM**  We’ll have a recap activity to discuss any topic you want and answer any questions about any project |

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| **Deep learning nanodegree** | | |
| Date | Study | Session |
| 8 March  Week 1 | Kick-off | |
| 15 March  Week 2 | Finish watching Introduction to Deep learning and start watching next in curriculum Neural Networks |  |
| 22 March  Week 3 | Continue watching Neural Networks | Predictions with Neural Networks Session |
| 29 March  Week 4 | Finish watching Neural Networks and **P1 Predicting Bike-sharing patterns** |  |
| 5 April  Week 5 | Start watching videos from Convolutional Neural Networks |  |
| 12 April  Week 6 | Continue watching Convolutional Neural Networks to Auto Encoders | Image classification sessions |
| 19 April  Week 7 | Finish watching videos from Convolutional Neural Networks and **P2 Dog Breed Classifier** |  |
| 26 April  Week 8 | Start watching videos from Recurrent Neural Networks till Embeddings and word2vec |  |
| 3 May  Week 9 | Continue watching videos from Recurrent Neural Networks | RNN Session |
| 10 May  Week 10 | Finish watching videos from Recurrent Neural Networks and **P3 Generate TV scripts** |  |
| 17 May  Week 11 | Start watching videos from Generative Adversarial Networks till Pix2Pix&Cycle GANs |  |
| 24 May  Week 12 | Continue watching videos from Generative Adversarial Networks | GANs Session |
| 31 May  Week 13 | Ramadan Break | |
| 7 June  Week 14 | Eid Break | |
| 14 June  Week 15 | Finish watching videos from Generative Adversarial Networks and **P4 Generate Faces** |  |
| Week 16  21 June | Start watching videos from Deploying a Model till building a Model using Sage Maker |  |
| Week 17  28 June | Continue watching videos from Deploying a model till Updating a Model and start working on **P5 Deploying a Sentiment Analysis Model** | Final Project Session |
| Week 18  5 July | Finish **P5 Deploying a Sentiment Analysis Model** |  |

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| **Data Scientist nanodegree** | | |
| Date | Study | Session |
| 8 March  Week 1 | Kick-off | |
| 15 March  Week 2 | Start watching videos from Welcome to the Nanodegree and Supervised Learning  Complete sections:   * Machine Learning Bird’s Eye View * Linear Regression * Perceptron Algorithm * Decision Trees |  |
| 22 March  Week 3 | Complete videos from Supervised Learning  Complete sections:   * Naive Bayes * Support Vector Machines * Ensemble Methods | Supervised Learning Session |
| 29 March  Week 4 | Complete videos from Supervised Learning  Complete sections:   * Model Evaluation Metrics * Training and Tuning   Pass P1 **Predicting Boston Housing Prices** Project |  |
| 5 April  Week 5 | Start watching videos from Deep Learning  Complete sections:   * Introduction to Neural Networks * Implementing Gradient Descent |  |
| 12 April  Week 6 | Continue watching videos from Deep Learning  Complete sections:   * Training Neural Networks * Keras | Deep Learning Session |
| 19 April  Week 7 | Continue watching videos from Deep Learning  Complete sections:   * Deep Learning with PyTorch   Pass P2 **Image classifier** Project |  |
| 26 April  Week 8 | Start watching videos from Unsupervised Learning  Complete sections:   * Clustering * Hierarchical and Density Based Clustering * Gaussian Mixture Models and Cluster Validation |  |
| 3 May  Week 9 | Continue watching videos from Unsupervised Learning  Complete sections:   * Dimensionality Reduction and PCA * Random Projection and ICA | Unsupervised Learning Session |
| 10 May  Week 10 | Pass P3 **Identify Customer Segments** Project |  |
| 17 May  Week 11 | Competition | |
| 24 May  Week 12 | Start watching videos from Introduction to Data Science  Start sections:   * The Data Science Process * Communicating to Stakeholders | Intro to Data Science Session |
| 31 May  Week 13 | Ramadan Break | |
| 7 June  Week 14 | Eid Break | |
| 14 June  Week 15 | Pass P4 **Write A Data Science Blog post** Project |  |
| 21 June  Week 16 | Start watching videos from Software Engineering  Start sections:   * Software Engineering Practices P1 * Software Engineering Practices P2 |  |
| 28 June  Week 17 | Continue watching videos from Software Engineering  Complete sections:   * Introduction to Object-Oriented Programming * Web Development | Data Engineering Session |
| 5 July  Week 18 | Start watching videos from Data Engineering  Start sections:   * ETL Pipelines * NLP Pipelines * Machine Learning Pipelines   Pass P5 **Disaster Response Pipeline** Project |  |
| 12 July  Week 19 | Start watching videos from Experimental Design & Recommendations  Start sections:   * Intro to Experiment Design and Recommendation Engines * Concepts in Experiment Design |  |
| 19 July  Week 20 | Continue watching videos from Experimental Design & Recommendations  Complete sections:   * Statistical Consideration in Testing * Introduction to Recommendation Engines | Recommendations Engines Session |
| 26 July  Week 21 | Continue watching videos from Experimental Design & Recommendations  Complete sections:   * Matrix Factorization for Recommendations   Pass P6 **Recommendation Engines** Project |  |
| 2 August  Week 22 | Work on Capstone Project P7 |  |
| 9 August  Week 23 | Capstone Session |
| 16 August  Week 24 |  |