Algonquin College Logo

COURSE SECTION INFORMATION

# School of Advanced Technology

## Mobile Graphical Interface Programming

### Computer Programmer

**Professor’s Name: Eric Torunski**

**Email: torunse@algonquincollege.com**

**Phone: 613-727-4723 x 6044**

**Office: T307J**

**Out of Class**

**Assistance: Send message on Microsoft Teams**

**Course Number: CST 2335**

**Course Section: 010**

**Academic Year: 2020-2021**

**Term: Winter**

**Academic Level: 3**

### Section-Specific Learning Resources

* There is no required textbook for this course. We will follow code examples and online resources listed here:
* Online Resources
  + Android Developers Website: <http://developer.android.com>
  + Android Studio, free download: <http://developer.android.com/sdk/index.html>
* Other related materials will be provided to the student as required.

### Evaluation Breakdown

|  |  |
| --- | --- |
| **Assessment** | **Value** |
| 10 Assignments worth 2% each | 20% |
| 10 Quizzes worth 2% each | 20% |
| Final Project | 30% |
| Final Exam | 30% |

### Learning Schedule (subject to change with notification)

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Weekly Theme and Learning Outcomes** | **Learning Activities** | **Assessments (%)** |
| Week 1 | **Android Platform Intro & XML** | Download Android Studio & Practice XML | Quiz 1 (2%) |
| 12-May-21 |
| Week 2 | **Widgets, Toast and Snackbar** | Practice various widgets in Android | Lab 1 (2%)  Quiz 2 (2%) |
| 19-May |
| Week 3 | **Constraint Layout** | Use Constraint Layout | Lab 2 (2%)  Quiz 3 (2%) |
| 26-May |
| Week 4 | **Launching Activities** | Launch new Android Activities. | Lab 3 (2%)  Quiz 4 (2%) |
| 02-Jun |
| Week 5 | **Recycler View and Alert Dialog** | Using a Recycler View to show items | Lab 4 (2%)  Quiz 5 (3%) |
| 09-Jun |
| Week 6 | **Databases** | Storing items in a database | Quiz 6 (13%)  Lab 7 (2%) |
| 16-Jun |
| Week 7 | **Junit testing** | Launch a background thread to fetch data. | Lab 7 (2%)  Quiz 8 (2%) |
| 23-Jun |
| Week 8 | **Term break** | Launch a background thread to fetch data. | No work |
| 30-Jun |  |
| Week 9 | **Android AsyncTask** | Load fragments on a page. | Lab 8 (2%)  Quiz 9 (2%) |
| 07-Jul |
| Week 10 | **Android Fragments** | Configure a navigation drawer. | Lab 9 (2%)  Quiz 10(2%) |
| 14-Jul |
| Week 11 | **Menus, Navigation Drawer and Bottom Navigation** | various extra topics on Android | Lab 10 (2%) |
| 21-Jul | Milestone 1 – Final project |
| Week 12 | **Extra topics** | various extra topics on Android | Milestone 2 – Final project |
| 28-Jul |
| Week 13 | **Extra topics** | various extra topics on Android | Milestone 3 – Final project |
| 04-Aug |
| Week 14 | **Final projects due** |  | Lab demonstration only – submissions not accepted (26%) |
| 11-Aug |

### Other Important Information

* Late assignments may be submitted for credit with a deduction depending on how late the work is submitted:
  + -10% for per day late, with a maximum of 50% penalty.
  + -100% after 10 days
* The midterm and final exams are only on the weeks specified, there will be no make-up exams. Make sure to contact the professor ahead of time in case of emergency.
* The final projects are graded only by in-lab demonstrations. Submissions for grading will not be accepted. The final projects must be demonstrated in your lab period during the week. Demonstrations from another lab class will not be accepted.