**IT 306 Course Schedule (Spring 2017)**

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| **Week** | **Date** | **Module** | **Textbook Reading** | **Assignment Due** | **Project Due** |
| 1 | 01/24/17 | Course introduction  Review of Object-Oriented Concepts | Ch 1. , Ch 2. | Submit Information Sheet under “Assignments” link. 01/24/15  A1: 02/01/17 | Form Groups  Due: 02/01/17 |
| Inheritance & Polymorphism |
| Exception Handling & Files |
| Unified Modeling Language |
| 2 | 01/31/17 | Searching, Sorting | Ch 7.4. , Ch 12.  Ch 3.1.2.,Ch 7.6., Ch 9.4.1., Ch 9.4.2. | A2: 02/08/17 | Phase I (Design and Analysis) Due: 02/10/17 |
| 3 | 02/07/17 | Recursion, Big-O | Ch 5., Ch 4. | A3: 02/15/17 | Phase 2 (Preliminary Project Document) Due  03/03/17 |
| 4 | 02/14/17 | Linked Lists | Ch 3., Ch.16 |  |  |
| 5 | 02/21/17 | Stack & Queues | Ch 6., Ch 16. | A4: 03/22/17 |  |
| 6 | 02/28/17 | Midterm Exam Study | | | Phase 3 (Evaluation) Due  03/10/17 |
| 7 | 03/07/17 | **Midterm** | | | Phase 4 (Final Requirements Document) Due  03/24/17 |
| 8 | 03/14/17 | **No class on Spring Break (March 13 – March 19)** | | |  |
| 9 | 03/21/17 | Trees, Search Trees | Ch 8. | A5: 04/05/17 | Phase 5 (Preliminary System Implementation) Due  04/14/17 |
| 10 | 03/28/17 | Priority Queues | Ch 9., Ch 12. |  | Phase 6 (Final System Implementation) Due  04/28/17 |
| 11 | 04/04/17 | Maps, Hash Tables | Ch 10., Ch 15., Ch 16. | A6: 04/19/17 |  |
| 12 | 04/11/17 | Collections and Generics | Ch 7.5,Ch 14., Ch18. | A7: 04/29/15 |  |
| 13 | 04/18/17 | Graphs, Memory Management |  |  |  |
| 14 | 04/25/17 | Final Exam Study |  |  | Phase 7 (Final Evaluation) Due  05/05/17 |
| 15 | 05/02/17 | **Project Presentation** | | |  |
| 16 | 05/09/17 | **Reading day – no class** | | |  |
| 17 | 05/16/17 | **Final Exam** | | | |

**Important Dates:**

https://registrar.gmu.edu/calendars/spring-2017/

Spring break: Mar 13 – Mar 18

Reading day: May 8-9

Note: Time for all assignments and project deadlines are at 11:50 PM. Assignments / projects submitted after this time are considered to be **LATE** and will **NOT** be graded.