


 Tiziana Ligorio

 Doctoral Lecturer  
 Hunter College  
 The City University of New York

## Fall19 Course Schedule

Research | Resources | Teaching

Tentative (subject to change, please check regularly)

| LECTURE | DATE    | TOPIC  | READING   |
|---------|---------|--|---|
| 1       | T, 8/27 | Welcome / Intro  | <a href="#">Syllabus</a><br><a href="#">Programme</a><br><a href="#">Guideline</a>                              |
| 2       | F, 8/30 | Abstraction /<br>OOP   | Chapter 1<br>Appendix   |
| 3       | T, 9/3  | Intro to<br>Inheritance /<br>Abstract Data<br>Types /<br>Templates | C++ Interlu   |
| 4       | F, 9/6  | -//-   |   |
| 5       | T, 9/10 | Array-Based<br>Implementation                                      | Chapter   |
| 6       | F, 9/13 | Link-based<br>Implementation                                       | C++ Interlu<br>(Pointers), <a href="#">po</a><br><a href="#">and referer</a><br><a href="#">tutorial</a> , Chap |
| 7       | T, 9/17 | -//-   |   |
| 8       | F, 9/20 | Lists +<br>Exceptions  | Chapters 8,<br>C++ Interlu  |



Tiziana Ligorio

Doctoral Lecturer  
Hunter College  
The City University of New York

Research | Resources | Teaching |

|    |  |          |  |                           |
|----|--|----------|--|---------------------------|
|    |  | 9/24     | -//-   |                           |
|    |  | 10/27    | Polymorphism   | C++ Interlu<br>(Polymorph |
| X  |  | T, 10/1  | NO LECTURE   |                           |
| 11 |  | F, 10/4  | -//-   |                           |
| X  |  | T, 10/8  | NO LECTURE   |                           |
| 12 |  | F, 10/11 | Recursion  | Chapter                   |
| 13 |  | T, 10/15 | More Recursion   | Chapter                   |
| X  |  | F, 10/18 | <b>Midterm<br/>Exam</b>  |                           |
| 14 |  | T, 10/22 | Algorithm<br>Efficiency  | Chapter 1                 |
| 15 |  | F, 10/25 | Searching and<br>Sorting<br>Algorithms and<br>their Efficiency | Chapter 1                 |
| 16 |  | T, 10/29 | -//-   |                           |
| 17 |  | F, 11/1  | Stack  | Chapter                   |
| 18 |  | T, 11/5  | Stack<br>Implementation  | Chapter<br>C++ Interlu    |
| 19 |  | F, 11/8  | Queue  | Chapter 1                 |
| 20 |  | T, 11/12 | Queue<br>Implementation  | Chapter 1                 |
| 21 |  | F, 11/15 | Trees  | Chapter 1                 |
| 22 |  | T, 11/19 | -//-   |                           |

|    |                              |   |                          |
|----|------------------------------|---|--------------------------|
|    | 11/22                        | Managed Pointers + Tree Implementation                | Interlude 4<br>Chapter 1 |
|    | 11/26                        | -//-  |                          |
| X  | F, 11/29                     | NO LECTURE  |                          |
| 25 | T, 12/3                      | -//-  |                          |
| 26 | F, 12/6                      | Special Topic<br><b>Heaps</b> (a very quick overview) |                          |
| 27 | T, 12/10                     | Final Review  |                          |
| X  | <b>T, 12/17<br/>9am-11am</b> | <b>FINAL EXAM</b>                                     |                          |