Literature:

C# Software Solutions – John Lewis

**Preliminary Plan** (can be changed during the semester)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **week#** | **Topics** | **Readings (Chapter)** | **Some Exercises** |
|  |  | **Objektorienteret programmering** |  |  |
| 1 | 39 | Introduction Getting started Installing MS Visual Studio C# 2008 Express Basic programming topics | 1  2 | Programming Projects   * 1. – 1.6   2.2, 2.3 |
| 2 | 40 | Basic programming topics: Classes, Objects, etc. Data, Expressions and Control Structures | 2  5 | Two of PP 2.4 – 2.7  and  PP 5.3, 5.8, 5.13 |
| 3 | 41 | Using and writing classes | 3 + 4 | PP 3.3, 3.4  PP 4.1, 4.3 |
| 4 | 43 | Object Oriented Design:  Static and non-static class members  Relationship, interfaces and method design | 6 | PP 6.2, 6.3 |
| 5 | 44 | **First Semester Project** |  | Announced later |
|  |  |  |  |  |
| 6 | 45 | Arrays, ArrayList and other Collections  Fx. Maps, Lists,Trees, Queues etc. | 7 + 12 | PP 7.1 – 7.4 |
| 7 | 46 | Inheritance and Polymorphism | 8 + 9 | One of 8.2 – 8.4 |
| 8 | 47 | Exceptions and deadline for **First Semester Project** | 10 | Announced later |
| 9 | 48 | **Second Portfolio Project** |  | Announced later |
| 10 | 49 | Files and Object Streams | Copies | Announced later |
| 11 | 50 | Graphical User Interface GUI | 2 - 10 | Announced later |
| 12 | 51 | Graphical User Interface GUI | 2 - 10 | Announced later |