Lecture Slides

<https://csci-1301.github.io/about#authors>

January 31, 2022 (10:07:53 PM)

Table of Contents

| Book Topic | Corresponding Slides |
| --- | --- |
| Introduction to Computers and Programming | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/010_general_concepts/Programming-Intro.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/010_general_concepts/Programming-Intro.pdf) |
| Introduction to the C# Language | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/020_first_program/C%23-Intro-WriteLine.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/020_first_program/C%23-Intro-WriteLine.pdf) |
| Datatype Basics | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/030_datatypes_and_variables/Datatypes-Variables.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/030_datatypes_and_variables/Datatypes-Variables.pdf) |
| Datatype Details | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/030_datatypes_and_variables/Datatypes-Variables-Details.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/030_datatypes_and_variables/Datatypes-Variables-Details.pdf) |
| Operators and Conversions | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/040_operators/Operators-Conversions.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/040_operators/Operators-Conversions.pdf) |
| Arithmetic on Mixed Datatypes | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/040_operators/Arithmetic-Conversions.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/040_operators/Arithmetic-Conversions.pdf) |
| Reading Input, Displaying Output, and Concatenation | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/050_reading_and_displaying/Input-Output-Concatenation.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/050_reading_and_displaying/Input-Output-Concatenation.pdf) |
| Class and Object Basics | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060_object_oriented_intro/Objects-Intro.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060_object_oriented_intro/Objects-Intro.pdf) |
| UML Diagrams and Method Call Details | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060_object_oriented_intro/Method-Details-UML.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060_object_oriented_intro/Method-Details-UML.pdf) |
| Variable Scope and Reference Type Details | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060_object_oriented_intro/Scope-Reference-Types.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060_object_oriented_intro/Scope-Reference-Types.pdf) |
| Constructors & ToString | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/070_object_oriented_contd/Constructors-ToString.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/070_object_oriented_contd/Constructors-ToString.pdf) |
| Overloading & Properties | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/070_object_oriented_contd/Overloads-Properties.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/070_object_oriented_contd/Overloads-Properties.pdf) |
| Decisions and Decision Structures | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/080_decisions_booleans_and_comparisons/Booleans-Comparisons.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/080_decisions_booleans_and_comparisons/Booleans-Comparisons.pdf) |
| if, if-else and if-else-if Statements | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/090_if/If-Else.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/090_if/If-Else.pdf) |
| Switch Statements and the Conditional Operator | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/100_switch/Switch.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/100_switch/Switch.pdf) |
| While loop and Increment Operators | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/110_while_loops_and_vocabulary/While-Increment.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/110_while_loops_and_vocabulary/While-Increment.pdf) |
| Do-while and Loop Vocabulary | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/110_while_loops_and_vocabulary/Do-While-Vocab.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/110_while_loops_and_vocabulary/Do-While-Vocab.pdf) |
| Combining If Statements and Classes | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/130_combining_decision_and_classes/If-With-Classes.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/130_combining_decision_and_classes/If-With-Classes.pdf) |
| Combining While Loops and Classes | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/130_combining_decision_and_classes/While-With-Classes.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/130_combining_decision_and_classes/While-With-Classes.pdf) |
| Arrays | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/140_arrays/Arrays.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/140_arrays/Arrays.pdf) |
| For loops | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/150_for_loops/For-Loops.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/150_for_loops/For-Loops.pdf) |
| Foreach, Break, and Continue | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/160_foreach/Arrays-Foreach.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/160_foreach/Arrays-Foreach.pdf) |
| The static Keyword | [pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/170_static_elements/Static.pptx), [pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/170_static_elements/Static.pdf) |