

This course serves as an introductory course in computer programming using Visual Basic Express 2010 and GameMaker 8.1 (Yo Yo Games) that should prepare students to take further programming courses in high school, university, or community college and to make an informed career choice in this area. (They are both free to download) Students will learn to create simple Windows programs.

Topics to Be Covered

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|----------------------------------|------------------|
| Computer System Components | Debugging |
| Input/output Devices | Documentation |
| Computer Processor | Animated Objects |
| High Level Programming Languages | Sound |
| Memory | GameMaker |
| System Software | Interface |
| Application Software | IDE |
| Visual Basic Interface | Video Game |
| Controls | Sprites |
| Toolbox | Objects |
| Properties | Rooms |
| Flow Chart | Coding |
| Variables | Scripting |
| Data Types | If /Then Logic |
| Conditional Statements | Multiple Forms |
| Writing Expressions | |

EVALUATION

- Tests
- 3 Minor Projects
- Major Project during last 3 weeks

Final Mark

Average of Tests / Quizzes	20%
Minor Projects.....	30%
Final Project	25%
Class Mark.....	10%
Daily Assignments.....	15%