

CS 3005: Programming in C++

Fall 2024 Assignments

Stage 1

- Class Day 1: [None](#)
- Class Day 2: [Hello World/Development Environment](#)
- Class Day 3: [User Interaction](#)
- Class Day 4: [Audio Track](#)
- Class Day 5: [Audio Track Creator](#)
- Class Day 6: [Audio Track Creator Part 2](#)
- Class Day 7: [WAV File 1](#)
- Class Day 8: [WAV File 2](#)
- Class Day 9: [WAV File Creator](#)
- Class Day 10: [Practice Exam 1](#)
- Class Day 11: [Exam 1](#)

Stage 2

- Class Day 12: [Exceptions/Errors](#)
- Class Day 13: [Waveform/Sine Waveform/Square Waveform](#)
- Class Day 14: [Envelope/ADSR Envelope/AD Envelope](#)
- Class Day 15: [Instrument](#)
- Class Day 16: [Waveform Collection/Envelope Collection/Instrument Collection](#)
- Class Day 17: [Waveform Factory/Envelope Factory/Instrument Factory](#)
- Class Day 18: [Application Data](#)
- Class Day 19: [Instrument Designer](#)
- Class Day 20: [Practice Exam 2](#)
- Class Day 21: [Exam 2](#)

Stage 3

- Class Day 22: [Note](#)
- Class Day 23: [Time Signature/Staff Note](#)
- Class Day 24: [Musical Staff 1](#)
- Class Day 25: [Musical Staff 2](#)
- Class Day 26: [Mixer/Channel](#)
- Class Day 27: [Musical Score](#)
- Class Day 28: [Text to Musical Score/Musical Score to Text](#)
- Class Day 29: [Musical Score to WAV File](#)
- Class Day 30: [Practice Exam 3](#)
- Class Day 31: [Exam 3](#)

Stage 4

- Class Day 32: [Score Editor 1 \(MenuData, Score IO\)](#)
- Class Day 33: [Score Editor 2 \(Waveform/Envelope/Instrument Edit\)](#)
- Class Day 34: [Score Editor 3 \(Score Edit, Misc.\)](#)
- Class Day 35: [MIDI To Score 1](#)
- Class Day 36: [MIDI To Score 2](#)
- Class Day 37: [Score Generation \(Simple Algorithm\)](#)
- Class Day 38: [Score Generation \(Pentatonic Major\)](#)
- Class Day 39: [Score Generation \(Fractal\)](#)
- Class Day 40: [Practice Exam 4](#)
- Class Day 41: [Exam 4](#)

Final

- Class Day 42: [None](#)
- Final Exam: [Final Exam](#)

Class announcements may modify instructions or requirements from those listed above.