# Introduction to EDD 104 and Design Project

Class No. 01

EDD 104 – Spring 2020

BINGHAMTON
UNIVERSITY OF NEW YORK

Thomas J. Watson
School of Engineering
and Applied Science

## **Outline**

- Instructor/UCA Introductions
- EDD 104 Semester Preview
- Evaluating Sources
  - Evaluating Source Exercise
- Research Basics
  - Find Source Exercise
- APA Formatting
  - Complete Research Table for source

# Introductions

Class 01: Intro to EDD

104 and Design Project

EDD 104 - 2020

# **EDD 104 Semester Preview**

Class 01: Intro to EDD 104 and Design Project

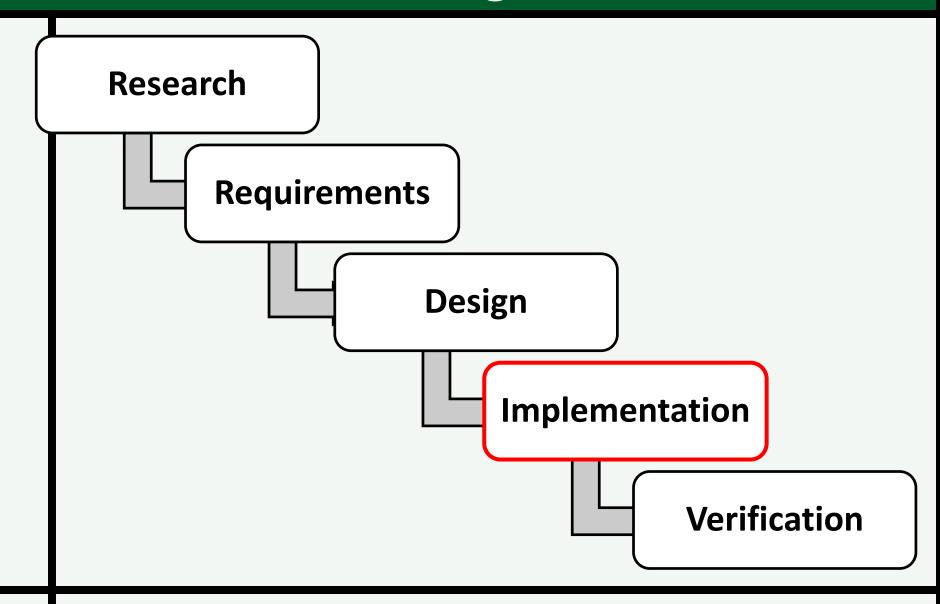
EDD 104 - 2020

### **Semester Preview**

- General Education "C & O = J"
- Engineering Design Project
  - Research methods
  - Professional report writing
  - Public presentation techniques
  - Teamwork skills

# **General Design Process**

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## **Semester Preview**

Mon	Tues	Wed	Thurs	Fri
Martin Luthor King	Class 01: APA	Class 01: APA	Class 01: APA	Class 01: APA
Day: 20 JAN	Format; Research	Format; Research	Format; Research	Format; Research
(No Classes)	Basics	Basics	Basics	Basics
Class 01: APA Format; Research Basics	Class 02: Project Analysis	Class 02: Project Analysis	Class 02: Project Analysis	Class 02: Project Analysis
Class 02: Project	Class 03: Research	Class 03: Research	Class 03: Research	Class 03: Research
Analysis	Report Prep.	Report Prep.	Report Prep.	Report Prep.
Class 03: Research	Class 04: Research	Class 04: Research	Class 04: Research	Class 04: Research
Report Prep.	Report Workshop	Report Workshop	Report Workshop	Report Workshop
Class 04: Research	Class 05:	Class 05:	Class 05:	Class 05:
Report Workshop	Requirements	Requirements	Requirements	Requirements
Class 05: Requirements				·

#### **Research Phase**

- Literature Review
- Research Report

#### Requirements Phase

- Req. Structure
- Evaluation Criteria
- Req. List

	Class 06: Brainstorm	Class 06: Brainstorm	Class 06: Brainstorm	Class 06: Brainstorm
	Viable Designs	Viable Designs	Viable Designs	Viable Designs
Class 06: Brainstorm Viable Designs	No Class	No Class	Winter Break (No Classes)	Winter Break (No Classes)
Class 07: Viable	Class 07: Viable	Class 07: Viable	Class 07: Viable	Class 07: Viable
Design Presentation	Design Presentation	Design Presentation	Design Presentation	Design Presentation
for Review	for Review	for Review	for Review	for Review
Class 08: Viable	Class 08: Viable	Class 08: Viable	Class 08: Viable	Class 08: Viable
Design Presentation to	Design Presentation to	Design Presentation to	Design Presentation to	Design Presentation to
Team	Team	Team	Team	Team
Class 09: Team	Class 09: Team	Class 09: Team	Class 09: Team	Class 09: Team
Assessment	Assessment	Assessment	Assessment	Assessment

#### **Design Phase**

- Viable Design Report
- Viable Design Presentation
- Design Evaluations

## **Semester Preview**

Class 10: Verifications	Class 10: Verifications	Class 10: Verifications	Class 10: Verifications	Class 10: Verifications		
Class 11: Final Design	Class 11: Final Design	Class 11: Final Design	Class 11: Final Design	Class 11: Final Design		
Report and	Report and	Report and	Report and	Report and		
Presentation	Presentation	Presentation	Presentation	Presentation		
Class 12: Final Design	Class 12: Final Design	Class 12: Final Design	Class 12: Final Design	Class 12: Final Design		
Presentation	Presentation	Presentation	Presentation	Presentation		
Rehearsal	Rehearsal	Rehearsal	Rehearsal	Rehearsal		
Class 13: Final Design	Class 13: Final Design	Class 13: Final Design	Class 13: Final Design	Class 13: Final Design		
Presentations	Presentations	Presentations	Presentations	Presentations		
Last Day of Classes May 5 (No Classes)						

#### **Verification Phase**

- Verifications
- Final Design Report
- Final Design Presentation