Course Title: CAD Modeling: Applications for 3D Printing  
Course Code: CS 88  
Instructor: Molly-Kate Golek

Course Summary:  
*Please see course page for full description and additional details.

Note About Live Attendance and Recording:  
These class sessions will be recorded.  
Although classes are recorded, it is beneficial for students to participate live as the instructor will be having in-class work sessions where they are available for questions in real time. This course includes a singular class project in which the students will be using class time to work on and complete said project.

Live attendance is not required to pass but encouraged in order to get the full benefits of this course.

Grade Options and Requirements:

- No Grade Requested (NGR)  
  - Due to the short duration of the course, this is the only option. The course will not appear on official transcripts. Students may request a certificate of attendance on the last day of class.

Tentative Weekly Outline:

Week 1  
Lecture Topic: History of 3D Printing  
In-class work: CAD Modeling programs and basics  
Assignment: Basic Model, pick your project

Week 2  
Lecture Topic: Limitations & Requirements of 3D Printing 1  
In-class work: Pick material, resolution, orientation for project  
Assignment: Finish in-class work

Week 3  

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Lecture Topic: Limitations & Requirements of 3D Printing 2
In-class work: Pick material, resolution, orientation for project
Assignment: Finish in-class work

Week 4

Lecture Topic: Tolerances, Fit, & Cost
In-class work: Make project cost effective
Assignment: Finish in-class work

Week 5

Lecture Topic: Iterations & Simplifications
In-class work: Iterate design, simplify for 3D printing
Assignment: Finish in-class work

Week 6

Lecture Topic: Recap and Q&A
In-class work: Complete project
Assignment: Finish project