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| **Course Name:** | Engineering Design Presentation and Problem Solving | **Teacher:** | D.Godines |
| **Year:** | 2017-2018 | **Email:** | dgodines1@saisd.net |
| **Course Credit:** | 1.0 | **Room:** | 1905 |
| **Grade:** | 12th | **Conference:** | 1st Period – A Day |

## Course Description:

In Engineering Design and Presentation students will continue to demonstrate the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students apply advanced academic skills to component designs and explore career opportunities in engineering, technology and drafting to gain and maintain employment in these areas.

## Course Materials

Each student is required to bring the following materials to class daily:

* Pen/pencil
* Paper
* Journal

*Occasionally, non-standard supplies, such as cereal boxes, cardboard, etc. will be required to complete student projects.*

## Grading Policy & Scale

Students’ grades will be calculated as follows:

* Assessment Performance (40%)
* Class Work & Homework Performance (60%)

The following grade scale will be utilized for recording students’ grades:

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| --- | --- |
| A | 90-100 |
| B | 80-89 |
| C | 75-79 |
| D | 70-74 |
| F | 0-69 |

**Engineering Design and Presentation Semester Overview: Major Concepts By Quarter**

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| --- | --- |
| 1st Quarter | Career Paths in EngineeringDocumentation and SketchingThe Design Process |
| 2nd Quarter | Technical DrawingDesign Development and Application |
|  | SEMESTER 1 EXAM |
| 3rd Quarter | Reverse EngineeringMini-Project 1 & 2 |
| 4th Quarter | Capstone ProjectInventor/AutoCAD Certification |
|  | SEMESTER 2 EXAM |

Students will use several online platforms in my classroom that can be accessed through my website: **https://schools.saisd.net/page/dgodines1-Home**

Students will work to obtain an Inventor & AutoCAD certification, which will enable students to earn $15-20 a year at an engineering firm straight out of high school and possibly skip the first Engineering course in college.

***PLEASE NOTE: Use of cell phones will be permitted in the classroom for learning and teacher-students engagement. When we are not using these online learning platforms, students should NOT have phones out. If phones are used repeatedly for personal use, I will 1.) have a private conversation with the student 2.) contact a parent/guardian regarding improper use of cell phones and 3.) will write up the student for administrative review.***

## Class Expectations

All students must follow the Hurricane Non-Negotiable Behaviors:

* Be in appropriate school uniform
* Be on time and seated before the tardy bell rings
* Be prepared to learn with heads up and supplies ready
* Use appropriate language at all times
* Keep hands, feet, and other objects to yourself
* Respect others and others’ property
* Use electronic devices when allowed in the classroom.

## Consequences

Students who do not comply with the class expectations and will receive consequences that include, but are not limited to, the following:

* Student/Teacher Conference
* Parent Contact
* Parent/Teacher Conference
* Loss of Classroom Rewards
* Counselor Support
* Discipline Referral

## Make-Up Work & Re-Do Policy

In accordance with District Policy, students may make up work after an absence, whether the absence is excused or unexcused within the following time frame:

* A student is allowed two instructional days for each day missed with a maximum of six (6) days during which make-up work may be completed or to schedule a make-up assessment.
* An extension of time may be granted for a prolonged absence, if, in the opinion of the student’s teacher(s) and with the approval of the principal, an individual student’s request or case warrants an extension.

In accordance with District Policy, a student must be permitted a reasonable opportunity to redo an assignment or retake a test for which the student received a grade less than 70. Following additional instruction or intervention, students will have one opportunity to redo one failing assignment AND one failing assessment in each subject per grading period; however, a teacher may, at the teacher’s discretion, permit students to redo additional failing assignments. If the grade on the retake assignment or assessment is 70 or above, then the original grade shall be replaced and recorded as a 70. If the grade on the retake assignment or assessment is below 70, then the higher of the two grades shall be recorded.

## http://proctorfree.com/wp-content/uploads/2014/08/dishonesty.jpgAcademic Dishonesty

Students found to have engaged in academic dishonesty shall be subject to grade penalties on assignments or tests and disciplinary penalties in accordance with the Student Code of Conduct. Academic dishonesty includes cheating or copying the work of another student, plagiarism, and unauthorized communication between students during an examination. The determination that a student has engaged in academic dishonesty shall be based on the judgment of the classroom teacher or another supervising professional employee, taking into consideration written materials, observation, or information from students.

## http://p7cdn4static.sharpschool.com/UserFiles/Servers/Server_235957/Image/Desktop-Computer-Clipart-2.pngComputer Usage

Computers are to be used for educational purposes only. By touching the computers, students agree to follow the SAISD Student Acceptable Use Policy for the Electronic Communications Systems.

## https://media.licdn.com/mpr/mpr/p/1/005/08a/0f4/0a5f7c3.jpgTardy Policy

The Hurricane Tardy Policy will be strictly enforced. If you arrive late to class, you must have a tardy pass from an administrator. You will be asked to sign the Tardy Log upon arrival. Tardy consequences include, but are not limited to, parent notification and OCI. Three (3) tardies will equal one (1) day in OCI and parent notification.

## Dress Code

The SAISD and SHHS dress code will be strictly enforced. If you are not wearing a school uniform, you will not be admitted to class and will be asked to see an administrator. You will be counted absent if you do not return to class that day.

# Parent/Student Acknowledgement

**Syllabus Acknowledgement**

*This acknowledgement form and contact information sheet must be completely filled out, signed, and returned to the teacher. The student should then keep the syllabus in their binder for reference and documentation.*

We acknowledge our responsibility to review this course syllabus.

We acknowledge that we have read, understood, and the student will comply with the expectations and guidelines presented in the course syllabus.

Student’s Name:

 *(Please Print)*

 Student’s Signature Date Parent/Legal Guardian Signature Date

**Parent/Guardian Contact Information**

Student’s Name:

Parent/Guardian’s Printed Name:

Parent/Guardian’s Email Address:

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| Home Number: | (\_\_\_\_\_\_\_) \_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_ | Daytime Contact Number: | (\_\_\_\_\_\_\_) \_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_ |
| Cell Number: | (\_\_\_\_\_\_\_) \_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_ | Other Contact Number: | (\_\_\_\_\_\_\_) \_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_ |

Notes/Comments for the Teacher (please use back of this page for more room):

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