



Page High School Sand Devils



Drafting 2 Dual Enrollment - CCC DFT 101 - Revit Basics

Instructor: Miss Trujillo

Phone: (928) 608 - 4100 Ext: 5827

Office Hours: Lunch, Tues. & Thurs. (Class Work Only)

Email: eutrujillo@pageud.org

COURSE DESCRIPTION AND PREREQUISITE:

In this hands-on course, students will dive into the exciting world of architectural design by creating their own *dream home* using Autodesk Revit, a leading industry software for building design. This class introduces the basics of residential house planning and drafting, including floor plans, site plans, elevations, sections, and other essential working drawings.

COURSE REQUIREMENTS:

Following items **MUST** be brought to class everyday. If not **(2)** professionalism points will be deducted every day.

THIS IS YOUR RESPONSIBILITY.

- ❖ Pencil or pen & drafting notebook.
- ❖ **USB Drive 10-15 GB [Back Up]**
- ❖ Optional - School Laptop ThinkPad [AutoCAD & Revit Software Downloaded]
- ❖ Textbook: Architecture: Residential Drafting and Design, 12th edition [Library]

ASSESSMENT: F

Students will demonstrate their learning based on the following assessment

- ❖ Professional Points
- ❖ Classwork
- ❖ Projects
- ❖ Weekly Quizzes
- ❖ Test

GRADING SCALE:

Letter grades will be administered and determined as follows:

100 - 90 A

79 - 70 C

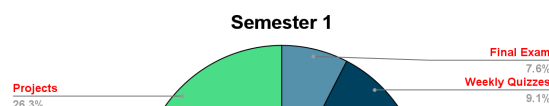
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89 - 80 B

69 - 60 D

COURSE CONTENT CALENDAR: (Please note that this is a tentative and may subject to change)

1st Semester			
Course Content	Assessment	Points Allotment	
Introduction & Syllabus	Sign Syllabus	5 points	
Careers in Drafting	Matching + Career Industry Interview Resume	20 points 25 points	Total 45 Points
Drafting Equipment + Alphabet of Lines + Letters	Board Drafting Project Test	30 points 30 points	Total 60 points
Scale - Architect, Engineer, Metric	Worksheet x 3 Test	30 points 15 points	Total 45 points
Architectural Styles	Architectural Style Project Test	35 points 15 points	Total 40 points
Floor Plan + Revit	Dream Home Floor Plan/Project Test	50 points 25 points	Total 75 points
Title Block + Revit	Title Block Project Test	15 points 10 points	Total 25 points
Site Plan + Revit	Activity Azimuth & Bearing (Math) Dream Home Site Plan/Project Test	15 points 10 points 35 points 25 points	Total 85 points
Foundation Plan + Revit	Slab on Grade Foundation Crawl Space Foundation Basement Foundation Math Calculation Dream Home Foundation Plan/Project Test	5 points 10 points 5 points 10 points 35 points 25 points	Total 85 points
Roof Plan + Revit	Activity - Community Roof Types Roof Styles Projects - (Gable + Hip + Dormer + Intersecting + Gambrel + Cathedral + Shed + Dutch Gable + Butterfly Roof) Activity - Community Exterior Detail Roofs (Soffit, Facias, Gutter, Downspouts) Dream Home Roof Plan/Project Test	15 points 25 points 10 points 35 points 25 points	Total 105 points
Final Exam	Multiple Choice Final + Project Final Clean-Up	75 points 25 points	Total 75 points



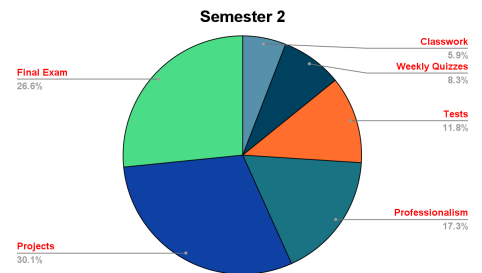
COURSE EVALUATION: (Please note that this is tentative and is subject to change)

Assessment	Total Point Allotment	Estimated Percentage Grade
1st Semester		
Weekly Quizzes	18 Weekly Quizzes = 90 points	8% of the grade
Final Exam	3 Exams = 100 points	9% of the grade
Tests	8 Tests = 170 points	16% of the grade
Classwork	13 Classwork = 185 points	17% of the grade
Projects	7 Projects = 235 points	22% of the grade
Professionalism Points	74 days x 4 = 296 points	28% of the grade
	Total = 1076 points	Total = 100% of grade

CLASS CONTENT CALENDAR: (Please note that this is a tentative and is subject to change)

Semester 2			
Course Content	Assessment	Points Allotment	
Electrical Plan + Revit	Activity - Electrical Plan Practice Math Calculation Dream Home Electrical Plan/Project Test	15 points 10 points 35 points 25 points	Total 80 points
Plumbing Plan + Revit	Activity - Plumbing Plan Practice Math Calculation Dream Home Plumbing Plan/Project Test	15 points 10 points 25 points 15 points	Total 60 points
Elevation Plans + Revit	Dream Home Elevation Plans/Project Test	25 points 15 points	Total 35 points
Section Plans + Revit	Dream Home Section Plans/Project Test	35 points 15 points	Total 40 points
Detail Plans + Revit	Dream Home Details Plans/Project Test	35 points 15 points	Total 45 points
Rendering/Walkthrough/Camera + Revit	Dream Home Rendering Plans/Project Test	35 points 15 points	Total 45 points
Technical State Assessment (TSA)	100 Question Test [60% or higher = 100%] April 21st	100 points	
Revit Certified User Certification	AutoDesk Revit Architecture - Certified User Industry Certification	100 points	
Final Exams	Final Portfolio Clean - Up	100 points 25 points	Total 125 points

Semester 2		
Classwork	4 Classwork = 50 points	5% of the grade
Weekly Quizzes	14 Weekly Quizzes = 70 points	8% of the grade
Tests	6 Tests = 100 points	11% of the grade
Projects	6 Projects = 190 points	21% of the grade
Final Exam	3 Exams = 225 points	25% of the grade
Professionalism Points	70 x 4 days = 280 points	31% of the grade
	Total = 915 points	Total = 100% of grade

**FINAL EXAM POLICY:**

- ❖ Final Exam(s) will be given during its scheduled time. Keep in mind this will expand into multiple days.
- ❖ Students who wish to take the final earlier due to planned circumstances may do so by communicating **1 week prior** and receiving approval from the teacher. Together, a date and time will be set for the student to take the final exam.
- ❖ Students who **do a no show** for the final exams and **did not communicate** with the teacher will automatically receive a **zero** and **cannot make it up**.

It is the responsibility of the student to communicate with the teacher if unforeseen circumstances come up during exam time. **EXTRA CREDIT POLICY:**

Extra credit is rarely given in this class. If given, it will be given case by case.

RETAKE AND RESUBMISSION POLICY:

All assessments must be completed by the following dates and times listed below:

1st Semester = Thursday, December 10th @ 4:30 pm.

- ❖ **Weekly Quiz** - All weekly quizzes will only be given **1 retake**. The retake can be taken a day after it was given.
- ❖ **Classwork** - All class work can be resubmitted for a better grade as many times until a 100% has been earned.
- ❖ **Projects** - All projects can be resubmitted for a better grade.
- ❖ **Tests** - All tests will only be given **1 retake**. The retake can only be taken a day after it was given.
- ❖ **Final Exam** - There are **no retakes** on the final exam(s). It's a one and done exam.

PROFESSIONALISM POINTS POLICY:

Students will earn **4 points every day**. This represents the student's attendance, materials, participation and work ethic that is needed to be successful in this class and in the real world industry. Professionalism points are accumulated throughout the entire semester and if points are lost it **WILL** make an impact on your grade.

TRDY - Not inside the class when the bell rings.	3 point
EXC - Doctor excuse or legitimate excuse and communicated to the front office.	3 point
ONC/ACT - On campus or in an activity/sport.	3 point
CLEAN UP - Does not clean the area up before departing for the day.	3 point
LEAVES EARLY/STAND BY DOOR - Leaves before the bell rings. Stands by the door.	2 points
XTRDY - 15 + minutes late after the bell rings.	2 points
VER - Absent verified through the front office.	1 point
ELECTRONIC DEVICES - Cell phones and/or other electronics not in class box.	1 points
UNV - No call in or communication to the front office.	0 points
ISS/STEP - Not in class, but in the ISS/STEP program.	0 points
TRUANT - Made the decision to not go to class. CANNOT make up.	0 points
UNPREPARED - No pencil, paper, USB drive, notes, etc.	Lose 1 point each
NOT WORKING/HORSE PLAY - Not on task, not working, being reminded to work.	Lose 1 point each



If a student wishes to make up professionalism points, he/she may come in during office hours, and make it up.

- **1 pt = 15 minutes after. Students must be working on work the entire time.**
- Sign into the after school sheet on the whiteboard of time in and time out. If students forgets to sign in, it does not count.

COCONINO COMMUNITY COLLEGE - DUAL ENROLLMENT 4 CREDITS:

Students may earn another college credit for taking drafting 2 (CCC DFT 101) through Coconino Community College (CCC) if they desire. This is highly recommended whether or not the student decides to attend college or pursue a degree in drafting. This college credit can also be used as an elective credit and it's **FREE!!**

- Credit will be earned at the end of year and will be awarded with a **passing grade of a D or higher.**
- Keep in mind the grade earned (A-F) will stay on the student's college record/transcript.
- Students may change their mind for earning college credit but must do so before the drop date. Drop date will be communicated once the teacher is notified.

MATH CREDIT (PAGE HIGH SCHOOL):

Students may also earn one (1) math credit while taking two (2) years of drafting at Page High School. This is due to the fact this class uses, performs, and implements a lot of strategic algebraic, trigonometry, problem solving, and critical thinking in the class.

Students must meet the following requirements in order to receive the (1) math credit.

- **Students must maintain a D or higher in the math section of each year in order to receive the credit.**
- **Students must complete the 2 years of drafting. Credit will be given after year 2 of drafting.**
- **Students must pass both 2 years with a D or higher.**
- **Students must notify their counselor they will be taking this opportunity.**

This too is highly recommended as this opens up other opportunities for the student to take a different class and expand their knowledge in their learning.

INDUSTRY CERTIFICATION(S):

This year drafting students will be **given** industry certifications at **no cost** to the student. It is highly recommended for all year 2 construction to take at least or both industry certification

- ❖ Autodesk Certified User: Revit Certification
- ❖ Autodesk Professional Certification

ARIZONA TECHNICAL STATE ASSESSMENT (TSA):

This course will prepare students to take the Arizona Test State Assessment (TSA). The Arizona state assessment test will be administered during year 2 of drafting. This test will identify students as completers in drafting and students will be awarded an Arizona state certificate and a honor cord for students to wear during graduation.

◆ April 13-15, 2026

CONSTRUCTION/DRAFTING CLUB:

All students are encouraged to become a member of the Construction/Drafting club. The club will consist of building leadership skills, relationship building, and most of all participating in Arizona SkillsUSA competition, where students will compete with other high school students in the state of Arizona. This is another great opportunity for students who wish to pursue a career and/or advance their learning in engineering, architecture, drafting, construction, welding, etc. The club will require attending club meetings, fundraisers, social club activities, and possible competitions.

CLASSROOM POLICIES:

- **Work Area (Housekeeping)** - Students are to maintain their work area. Lose **(1)** professionalism points if found not maintaining work area. Extreme offenses lose **both** professionalism points.
 - Do not write/smear/draw on desks or chairs.
 - Pick up any trash and dispose of it properly.
 - No work or trash should be left on your desk or floor.
 - Push in chairs at the end of each class period.
 - Sanitize and wipe down the work area at the end of each week.
- **Personal Electronic Devices** - Cell phones, headphones and other personal electronic devices are a determinant to the learning environment. Cell phones will be stored in the box as you enter the classroom. Not even for math calculations. Earbuds, and other personal electronic devices must be stored in a student's backpack for the duration of instructional time or in the box. Below is the three strike policy Page High School will be following for the school year in regards to personal electronic devices and will also lose all professionalism points for that day.
 - 1st offense = reteach/document, phone in box & lose all professionalism points.
 - 2nd offense = questions/document, phone in box & lose all professionalism points.
 - 3rd offense = reflections sheet/document, phone in box & lose all professionalism points.

Electronic devices have become a **HUGE** distraction in the classroom. Students and parents please let's work together to minimize the number 1 distractions in all classrooms. **NO ELECTRONIC DEVICES ALLOWED.**

- **Tardies** - A student who is not inside the class at the end of the bell is considered tardy. Tardies will be addressed according to the student handbook. Lose **(1)** professionalism point.
- **Extra Tardies** - 15+ minutes late is considered extra tardy. Lose **both** professionalism points.
- **Exiting** - Students are expected to work from bell to bell.
 - Students are to not wait by the door for the bell to ring. Will lose **(1)** professionalism points.
 - Students are to not leave before the bell rings. Will be marked absent and lose **both** professionalism points.
- **Food & Drinks** - **NOT** permitted in this class especially if we cannot clean up after ourselves. Food present or found or left behind will lose **(1)** professionalism points. Extreme Offense will result in losing **both** professionalism points.
- **Restroom/Water/Hall policy** -
 - Must have a student planner to sign in order to use the restroom.
 - Not allowed to go the **first and last 10 minutes of class.**
 - Not allowed when the teacher is lecturing/talking.
 - Not allowed when another student is gone. One at a time.
 - Must take the hallway pass. Do not take the pass in the restroom.
 - Must stay within J-Building.
 - Do not abuse the system or your privilege may be revoked or **(1)** professionalism points will be lost.
 - Do not lose the hall pass or no one will be able to go at any time.
- **Student Athletes** - All paper documentations must **ONLY** be handled before, and after school or during lunch time. It will not be addressed during class time.
- **Sand Devil Way** - This class will consistently recognize and reinforce The Sand Devil Way at Page High School. These expectations ensure that the learning environment is set up to increase student learning. Students are expected to follow all school rules in this classroom. These rules can be found in your Student Handbook. The following classroom expectations will help you be successful in this class and help maintain a positive learning environment:
 - **Be On-Time:** In the classroom, when the bell rings is on time.

The Sand Devil Way	Classroom Expectations
Be Kind	• Respectful Comments, body language and facial expressions • Help and encourage others
Get Involved	• Actively participate • Ask questions
Work Hard	• Attend all classes, on time, every day • Complete your best work on time • Overcome challenges

- **Be Prepared:** Come to class prepared with all materials and ready to learn from bell to bell.
- **Be Respectful:** Respect other students, teachers, school property, and yourself. Respect those around you the way you would like to be respected.
- **Be Kind, Get Involved, Work Hard!!!**

MODIFICATION:

The Instructor reserves the right to add, delete, or modify the syllabus at any time.

PLEASE SIGN THIS PAGE AND RETURN ONLY THIS PAGE AS SOON AS POSSIBLE:

**Drafting II
Syllabus
Trujillo**

We have read and understand the information on the preceding pages related to the course outline, grading, and class policies for this class.

Date: _____

Class Hour: _____

Student Name: _____

Student Signature: _____

Parent/guardian Name: _____

Parent/guardian Signature: _____

Parent/guardian Email Address: _____

Parent/guardian Daytime Phone Number: _____