



NAME: _____

BLK: _____

**COURSE OUTLINE
DRAFTING LEVEL 3**

I. COURSE FOCUS

Building on your Drafting L1 & L2 foundation this course will provide you with more advanced technical drawing skills using the computer aided drafting program AutoCAD. The primary focus of this course will be to further the students understanding of mechanical drawing, architectural drafting and design, and 3 dimensional AutoCAD.

II. COURSE CONTENT

A.	Review and Basic Sketching
B.	Isometrics
C.	Sectional Views
D.	Auxiliary Views
E.	Developments and Intersections
F.	Assembly Working-Drawings (3D) Mechanical
G.	Size Tolerancing
H.	Design & Build a Model of a Simple Structure (Garage or Storage Shed)
I.	Architectural Drafting, Design & Conventions
i.	Architectural Lines & Lettering
ii.	Building Codes and Interior Design
iii.	Room Relationships & Sizes
iv.	Exterior Design Factors
v.	Site Orientation
vi.	Site Plan Layout
vii.	Floor Plans
viii.	Architectural Final Project – Design Dream Home
J.	3D Rendering

III. SUPPLIES REQUIRED

- Bring a **binder with lined paper** to class.
- Bring your **SHSS Planner** to class.

IV. SECURITY, SAFETY & BEHAVIOR

- Any abuse or misuse of equipment will result in consequences,
- No outdoor jackets permitted in the lab,
- No backpacks or large carry bags,
- No food or drink,
- No personal cell phones, cameras or DAPs may be brought into the Systems Lab.



V. EVALUATION

Projects.....	60%
Drawings will be assigned, printed and assessed for term marks	
Theory and Quizzes (written and practical).....	20%
• Navigating in and using AutoCAD,	
• International drafting convention standards involved in technical drafting for engineering,	
• Basic Architectural drafting	
Participation/Accountability	20%
i) Attendance	
• Truancy, tardiness, leaving class without permission	
ii) Reliability	
• Willingness to follow instruction,	
• Willingness to work without constant supervision	
• Attentiveness	
• Cooperation	
TOTAL.....	100%

VI. NOTEBOOK

Tests and quizzes will be based on the notes you have taken in class. It is essential that you keep your notebook neat and organized. If you miss a day of notes, it is your responsibility to get the notes from another member of the class. All handouts you receive must be hole-punched and inserted correctly into your binder. 10% of your grade for the course will be based on how neat and complete your notebook is.



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VI. COSTS FOR PLOTTING FINAL PROJECTS

Every student will be able to meet the course objectives at no cost to the student.

Should the student wish to plot a drawing on sheet sizes bigger than 8.5 x 11 to take home there will be a cost proportional to the paper size.

Parent Signature