

Code	ING226 / ING225	Prerequisites	None
Name	Assisted Drawing	Co-requisites	None

Credits	Contact Hours
01	33
Categorization of credits	
Math and basic science	
Engineering topic	X
Other	

Coordinator's name	Juan Meléndez Tejada
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Text book
Other supplemental materials
User's Guide Autocad 2020 Autodesk. USA. Villeta Molineaux, J.A. 2016, Project Development using CAD. 2nd Edition. Owl Publisher. Rep. Dom. Stine, D.J. Design Integration using Autodesk. 1st Edition. SDC Publications. USA.

Description	
Provide students with the knowledge and skills in handling software to draw, with the assistance of a computer, to develop the ability to graphic expression.	
By using the menus, commands and tools of the CAD environment, it will be possible to configure, dimension, edit, share, publish and print graphic documents that generate representation and visualization systems interacting with files from other programs and thus allowing effective interdisciplinary communication between professionals. of the area.	
Type of course	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective

Specific goals for the course	
Outcomes of instruction	EG1 Demonstrate interpretation and communication skills EG2 Show adequate criteria to choose appropriate execution tools, depending on the case. EG3 Demonstrate responsibility, commitment, punctuality and honesty in the delivery of their work.

Student outcomes	CG1 Communicate effectively with a variety of audiences CG2 Acquire and apply new knowledge using appropriate learning strategies
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Topics
Unit I. Introduction to the CAD environment Unit II. Basic Drawing Tools and their use Unit III. Editing tools and their use. Unit IV. Drawing and Editing Tools. Unit V. Annotations and Texts Unit VI. Block Insertion Tools. Unit VII. Object Properties Tools. Unit VIII. Bounded and Dimensioned Unit IX. Printing or plotting Unit X. Final Project