

RESEARCH GUIDES

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**College of Engineering
and Information
Technology**

Research Guides
AY 2021-2022
1st Sem

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Academic Program	BS Civil Engineering
Subject Code	Subject Title
CVE401	<u>Civil Engineering Orientation AY 21-22</u>
CVE402	<u>Fundamentals of Surveying with Laboratory AY 21-22</u>
CVE403	<u>Statics of Rigid Bodies AY 21-22</u>
CVE 408	<u>Building Systems Design with Laboratory AY 21-22</u>
CVE 409	<u>Engineering Utilities 1 AY 21-22</u>
CVE 410	<u>Fluid Mechanics with Laboratory AY 21-22</u>
CVE 411	<u>Hydrology AY 21-22</u>
CVE 412	<u>Structural Theory with Laboratory AY 21-22</u>
CVE 420	<u>Basic Occupational Safety and Health for Civil Engineering AY 21-22</u>
CVE 422	<u>Geotechnical Engineering (Soil Mechanics) with Laboratory AY 21-22</u>
CVE 423	<u>Numerical Solutions to Civil Engineering Problems with Laboratory AY 21-22</u>
CVE 424	<u>Principles of Transportation Engineering AY 21-22</u>
Academic Program	BS Electrical Engineering
Subject Code	Subject Title
EEE401	<u>Electrical Circuits 1 with Laboratory AY 21-22</u>
ELE 403	<u>Electrical Circuits 3 with Laboratory AY 21-22</u>
ELE 404	<u>Logic Circuits and Switching Theory AY 21-22</u>
ELE 405	<u>Numerical Methods and Analysis with Laboratory AY 21-22</u>
ELE 406	<u>Electrical Machines 1 with Laboratory AY 21-22</u>
ELE 407	<u>Fundamentals of Electronic Communications with Laboratory AY 21-22</u>
ELE 408	<u>Fundamentals of Deformable Bodies AY 21-22</u>

ELE 421	<u>Microprocessor Systems with Laboratory AY 21-22</u>
ELE 420	<u>Feedback and Control Systems AY 21-22</u>
ELE 418L	<u>Electrical Standards and Practices Laboratory AY 21-22</u>
ELE 419	<u>Power System Protection AY 21-22</u>
ELE 424	<u>Management of Engineering Projects AY 21-22</u>
ELE 423	<u>Materials Science and Engineering for Electrical Engineering AY 21-22</u>
Academic Program BS Electronics Engineering	
Subject Code	Subject Title
EEE401	<u>Electrical Circuits 1 with Laboratory AY 21-22</u>
ECE403	<u>ECE Laws Contracts Ethics Standards and Safety AY 21-22</u>
ECE409	<u>Communications 2 Modulation and Coding Techniques with Laboratory AY 21-22</u>
ECE410	<u>Digital Electronics 1 - Logic Circuits and Switching Theory (Lecture and Laboratory) AY 21-22</u>
ECE411	<u>Electronic Circuits 3 - Electronic Systems and Design with Laboratory AY 21-22</u>
ECE420	<u>ECE Elective 1 Broadcasting Production Engineering with Laboratory AY 21-22</u>
ECE421L	<u>Embedded System and Automation with Laboratory AY 21-22</u>
ECE422	<u>Energy Conversion AY 21-22</u>
EEE402	<u>Electronic Devices and Circuits with Laboratory AY 21-22</u>
Academic Program BS Industrial Engineering	
Subject Code	Subject Title
IDE401	<u>Industrial Materials and Processes with Laboratory AY 21-22</u>
IDE402	<u>Principles of Economics for Industrial Engineering AY 21-22</u>
IDE403	<u>Statistical Analysis for Industrial Engineering 1 AY 21-22</u>
IDE409	<u>Elementary Electrical Engineering AY 21-22</u>

IDE410	Fundamentals of Deformable Bodies for Industrial Engineering with Laboratory AY 21-22
IDE411	Human Resource Management for Industrial Engineering AY 21-22
IDE412	Managerial Accounting for Industrial Engineering AY 21-22
IDE413	Operations Research 1 AY 21-22
IDE414	Work Study and Measurement with Laboratory AY 21-22
IDE422	Ergonomics 2 with Laboratory AY 21-22
IDE423	Facilities Planning and Design with Laboratory AY 21-22
IDE426	Supply Chain Management AY 21-22
IDE424	Information Systems AY 21-22
IDE427	Systems Engineering AY 21-22
Academic Program	BS Information Technology
Subject Code	Subject Title
IIT401	Computer Programming 1 with Laboratory AY 21-22
IIT406	Computer Programming 3 - Web Development with Laboratory AY 21-22
IIT419	Emerging Technologies with Laboratory AY 21-22
IIT402	Introduction to Computing with Laboratory AY 21-22
IIT413	Advanced Database System with Laboratory AY 21-22
ITS404	Computer Architecture, Organization and Logic Design AY 21-22
IIT414	Computer Programming 5 - Mobile Programming with Laboratory AY 21-22
IIT404	Data Structures and Algorithm with Laboratory AY 21-22
ITS401	Networking 1 with Laboratory AY 21-22
IIT408	Operating System with Laboratory AY 21-22
IIT415	Software Engineering AY 21-22

IIT418	Capstone Project 2 AY 21-22
ITS403	Computer Hardware and Troubleshooting with Laboratory AY 21-22
ITS408	Information Assurance and Security 2 with Laboratory AY 21-22
ITS405	Network Administration with Laboratory AY 21-22
ITS406	System Integration and Architecture with Laboratory AY 21-22
ITECC	Cloud Computing AY 21-22
ITEENS	Enterprise Systems AY 21-22
ITENE3	Networking 3
ITS409	System Administration and Maintenance with Laboratory AY 21-22
ITEAWD	Advanced Web Development AY 21-22
Academic Program	BSIT Digital Arts
Subject Code	Subject Title
DGA401	Freehand and Digital Drawing with Laboratory AY21-22
DAP402	Advanced 3D Animation and Scripting (with Laboratory) AY 21-22
DAP404	Image and Video Processing AY 21-22
DGA405	Introduction to Game Design and Development AY 21-22
DGA404	Usability, HCI, User Interaction Design with Laboratory AY 21-22
DAP403	Advanced Sound Production with Laboratory AY 21-22
DGA409	Design and Production Process with Laboratory AY 21-22
DGA403	Scriptwriting and Storyboard Design with Laboratory AY 21-22
DGA411	Capstone Project 2 AY 21-22
IIT401	Computer Programming 1 with Laboratory AY 21-22
IIT406	Computer Programming 3 - Web Development with Laboratory AY 21-22

IIT419	<u>Emerging Technologies with Laboratory AY 21-22</u>
IIT402	<u>Introduction to Computing with Laboratory AY 21-22</u>
DAP405	<u>Modeling and Rigging with Laboratory AY 21-22</u>
DAP409	<u>Animation Design and Production AY 21-22</u>
DAEPH	<u>Photography (elective) AY 21-22</u>
DAEVE	<u>Visual Effects (elective) AY 21-22</u>