

RESEARCH GUIDES

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**College of Engineering
and Information
Technology**

Research Guides
AY 2021-2022
2nd Sem

Instructions: Use Google Chrome as your default browser and log on using your official Letran E-mail. Click on the subject title to access the Research Guide. Make sure your device is connected to the Internet.

Academic Program	BS Civil Engineering
Subject Code	Subject Title
CVE 404	<u>Construction Materials and Testing with Laboratory AY 21-22</u>
CVE 405	<u>Dynamics of Rigid Bodies AY 21-22</u>
CVE 406	<u>Geology for Civil Engineers AY 21-22</u>
CVE 413	<u>Engineering Utilities 2 AY 21-22</u>
CVE 407	<u>Mechanics of Deformable Bodies AY 21-22</u>
CVE 414	<u>Highway and Railroad Engineering AY 21-22</u>
CVE 415	<u>Hydraulics with Laboratory AY 21-22</u>
CVE 416	<u>Principles of Reinforced - Prestressed Concrete with Laboratory AY 21-22</u>
CVE 417	<u>Principles of Steel Design with Laboratory AY 21-22</u>
CVE 418L	<u>Research Methods for Civil Engineering AY 21-22</u>
CVE 431	<u>Quantity Surveying with Laboratory AY 21-22</u>
CVE 427	<u>Civil Engineering Law, Ethics and Contracts AY 21-22</u>
CVE 430	<u>Construction Methods & Project Management AY 21-22</u>
Academic Program	BS Electrical Engineering
Subject Code	Subject Title
EEE 403	<u>Electrical Circuits 2 with Laboratory AY 21-22</u>
EEE 402	<u>Electronic Circuits - Devices and Analysis with Laboratory AY 21-22</u>
ELE 402	<u>Electromagnetics for Electrical Engineering AY 21-22</u>
ELE 409	<u>Electrical Machines 2 with Laboratory AY 21-22</u>

ELE 410	<u>Electrical Apparatus and Devices with Laboratory AY 21-22</u>
ELE 411	<u>EE Laws, Codes, and Professional Ethics AY 21-22</u>
ELE 412	<u>Industrial Electronics with Laboratory AY 21-22</u>
ELE 413	<u>Fluid Mechanics AY 21-22</u>
ELE 414	<u>Basic Occupational Safety and Health for Electrical Engineering AY 21-22</u>
ELE 415L	<u>Research Methods for Electrical Engineering AY 21-22</u>
ELE 425	<u>Distribution Systems and Substation Design with Laboratory AY 21-22</u>
ELE 432	<u>Instrumentation and Control with Laboratory AY 21-22</u>
ELE 426	<u>Power Systems Analysis with Laboratory AY 21-22</u>
ELE 427	<u>Special Studies in Renewable Energy Resources AY 21-22</u>
ELE 430L	<u>Fundamentals of Power Plant Engineering Design Laboratory AY 21-22</u>
Academic Program BS Electronics Engineering	
Subject Code	Subject Title
EEE403	<u>Electrical Circuits 2 with Laboratory AY 21-22</u>
ECE401	<u>Materials Science and Engineering for ECE AY 21-22</u>
ECE406	<u>Communications 1 Principles of Communication Systems with Laboratory AY 21-22</u>
ECE405	<u>Advanced Engineering Mathematics for ECE with Laboratory AY 21-22</u>
ECE408	<u>Electronic Circuit Analysis and Design with Laboratory AY 21-22</u>
ECE413	<u>Communications 3-Transmission Media and Antenna System & Design with Laboratory AY 21-22</u>
ECE414	<u>Communications 4 - Data Communications with Laboratory AY 21-22</u>
ECE415	<u>Digital Electronics 2 - Microprocessor, Microcontroller System & Design with Laboratory AY 21-22</u>
ECE416	<u>Feedback and Control Systems with Laboratory AY 21-22</u>

ECE417	Methods of Research AY 21-22
ECE424	ECE Elective 2 - Artificial Intelligence with Laboratory AY 21-22
ECE407	Electromagnetics for Electronics Engineering AY 21-22
Academic Program	BS Information Technology
Subject Code	Subject Title
IIT403	Computer Programming 2 with Laboratory AY 21-22
IIT407	Discrete Mathematics AY 21-22
IIT405	Introduction to Human Computer Interaction with Laboratory AY 21-22
IIT409	Computer Programming 4 - Interactive Programming with Laboratory AY 21-22
IIT410	Quantitative Method AY 21-22
IIT412	Information Management with Laboratory AY 21-22
IIT411	Systems Analysis and Design AY 21-22
IIT416	Capstone Project 1 AY 21-22
IIT417	Social and Professional Issues AY 21-22
ITS407	Information Assurance and Security 1 with Laboratory AY 21-22
ITS402	Networking 2 with Laboratory AY 21-22
ELEC2	Advanced Java Programming AY 21-22
ELEC3	Advanced Web Technologies with Laboratory AY 21-22
Academic Program	BSIT Digital Arts
Subject Code	Subject Title
DAP401	Advanced 2D Animation with Laboratory AY 21-22
DAP406	Texture and Mapping with Laboratory AY 21-22

DAP407	Compositing and Rendering with Laboratory AY 21-22
DGA402	Principles of 2D Animation with Laboratory AY 21-22
DAP408	Lighting and Effects with Laboratory AY 21-22
DGA406	Audio Design and Sound Engineering with Laboratory AY 21-22
DGA407	Computer Graphics Programming with Laboratory AY 21-22
IIT403	Computer Programming 2 with Laboratory AY 21-22
DGA410	Capstone Project 1 AY 21-22
IIT412	Information Management with Laboratory AY 21-22
IIT404	Data Structures and Algorithm with Laboratory AY 21-22
DGA408	Principles of 3D Animation with Laboratory AY 21-22
DAE402	Advanced Illustration with Laboratory AY 21-22
Academic Program	BS Industrial Engineering
Subject Code	Subject Title
IDE404	Advanced Engineering Mathematics for IE AY 21-22
IDE405	Basic Occupational Safety and Health for IE AY 21-22
IDE406	Financial Accounting AY 21-22
IDE407	Industrial Organization and Management AY 21-22
IDE408	Statistical Analysis for Industrial Engineering 2 AY 21-22
IDE415	Ergonomics 1 with Laboratory AY 21-22
IDE416	Marketing Management for IE with Laboratory AY 21-22
IDE417	Operations Management with Laboratory AY 21-22
IDE419	Quality Management Systems AY 21-22
IDE418	Operations Research 2 AY 21-22

IDE430

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