

RESEARCH GUIDES

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**College of Engineering  
and Information  
Technology**

Research Guides  
AY 2021-2022  
1<sup>st</sup> Sem

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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.

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

ELE 421	<a href="#">Microprocessor Systems with Laboratory AY 21-22</a>
ELE 420	<a href="#">Feedback and Control Systems AY 21-22</a>
ELE 418L	<a href="#">Electrical Standards and Practices Laboratory AY 21-22</a>
ELE 419	<a href="#">Power System Protection AY 21-22</a>
<b>Academic Program    BS Electronics Engineering</b>	
<b>Subject Code</b>	<b>Subject Title</b>
EEE401	<a href="#">Electrical Circuits 1 with Laboratory AY 21-22</a>
ECE403	<a href="#">ECE Laws Contracts Ethics Standards and Safety AY 21-22</a>
ECE409	<a href="#">Communications 2 Modulation and Coding Techniques with Laboratory AY 21-22</a>
ECE410	<a href="#">Digital Electronics 1 - Logic Circuits and Switching Theory (Lecture and Laboratory) AY 21-22</a>
ECE411	<a href="#">Electronic Circuits 3 - Electronic Systems and Design with Laboratory AY 21-22</a>
ECE420	<a href="#">ECE Elective 1 Broadcasting Production Engineering with Laboratory AY 21-22</a>
ECE421L	<a href="#">Embedded System and Automation with Laboratory AY 21-22</a>
ECE422	<a href="#">Energy Conversion AY 21-22</a>
<b>Academic Program    BS Industrial Engineering</b>	
<b>Subject Code</b>	<b>Subject Title</b>
IDE401	<a href="#">Industrial Materials and Processes with Laboratory AY 21-22</a>
IDE402	<a href="#">Principles of Economics for Industrial Engineering AY 21-22</a>
IDE403	<a href="#">Statistical Analysis for Industrial Engineering 1 AY 21-22</a>
IDE409	<a href="#">Elementary Electrical Engineering AY 21-22</a>
IDE410	<a href="#">Fundamentals of Deformable Bodies for Industrial Engineering with Laboratory AY 21-22</a>
IDE411	<a href="#">Human Resource Management for Industrial Engineering AY 21-22</a>
IDE412	<a href="#">Managerial Accounting for Industrial Engineering AY 21-22</a>

IDE413	<a href="#"><u>Operations Research 1 AY 21-22</u></a>
IDE414	<a href="#"><u>Work Study and Measurement with Laboratory AY 21-22</u></a>
IDE422	<a href="#"><u>Ergonomics 2 with Laboratory AY 21-22</u></a>
IDE423	<a href="#"><u>Facilities Planning and Design with Laboratory AY 21-22</u></a>
IDE426	<a href="#"><u>Supply Chain Management AY 21-22</u></a>
IDE424	<a href="#"><u>Information Systems AY 21-22</u></a>
IDE427	<a href="#"><u>Systems Engineering AY 21-22</u></a>
<b>Academic Program</b>	<b>BS Information Technology</b>
<b>Subject Code</b>	<b>Subject Title</b>
IIT401	<a href="#"><u>Computer Programming 1 with Laboratory AY 21-22</u></a>
IIT406	<a href="#"><u>Computer Programming 3 - Web Development with Laboratory AY 21-22</u></a>
IIT419	<a href="#"><u>Emerging Technologies with Laboratory AY 21-22</u></a>
IIT402	<a href="#"><u>Introduction to Computing with Laboratory AY 21-22</u></a>
IIT413	<a href="#"><u>Advanced Database System with Laboratory AY 21-22</u></a>
ITS404	<a href="#"><u>Computer Architecture, Organization and Logic Design AY 21-22</u></a>
IIT414	<a href="#"><u>Computer Programming 5 - Mobile Programming with Laboratory AY 21-22</u></a>
IIT404	<a href="#"><u>Data Structures and Algorithm with Laboratory AY 21-22</u></a>
ITS401	<a href="#"><u>Networking 1 with Laboratory AY 21-22</u></a>
IIT408	<a href="#"><u>Operating System with Laboratory AY 21-22</u></a>
IIT415	<a href="#"><u>Software Engineering AY 21-22</u></a>
IIT418	<a href="#"><u>Capstone Project 2 AY 21-22</u></a>
ITS403	<a href="#"><u>Computer Hardware and Troubleshooting with Laboratory AY 21-22</u></a>
ITS408	<a href="#"><u>Information Assurance and Security 2 with Laboratory AY 21-22</u></a>
ITS405	<a href="#"><u>Network Administration with Laboratory AY 21-22</u></a>

ITS406	<a href="#">System Integration and Architecture with Laboratory AY 21-22</a>
ITECC	<a href="#">Cloud Computing AY 21-22</a>
ITEENS	<a href="#">Enterprise Systems AY 21-22</a>
ITENE3	<a href="#">Networking 3</a>
ITS409	<a href="#">System Administration and Maintenance with Laboratory AY 21-22</a>
ITEAWD	<a href="#">Advanced Web Development AY 21-22</a>
<b>Academic Program</b> <b>BSIT Digital Arts</b>	
<b>Subject Code</b> <b>Subject Title</b>	
DGA401	<a href="#">Freehand and Digital Drawing with Laboratory AY21-22</a>
DAP402	<a href="#">Advanced 3D Animation and Scripting (with Laboratory) AY 21-22</a>
DAP404	<a href="#">Image and Video Processing AY 21-22</a>
DGA405	<a href="#">Introduction to Game Design and Development AY 21-22</a>
DGA404	<a href="#">Usability, HCI, User Interaction Design with Laboratory AY 21-22</a>
DAP403	<a href="#">Advanced Sound Production with Laboratory AY 21-22</a>
DGA409	<a href="#">Design and Production Process with Laboratory AY 21-22</a>
DGA403	<a href="#">Scriptwriting and Storyboard Design with Laboratory AY 21-22</a>
DGA411	<a href="#">Capstone Project 2 AY 21-22</a>
IIT401	<a href="#">Computer Programming 1 with Laboratory AY 21-22</a>
IIT406	<a href="#">Computer Programming 3 - Web Development with Laboratory AY 21-22</a>
IIT419	<a href="#">Emerging Technologies with Laboratory AY 21-22</a>
IIT402	<a href="#">Introduction to Computing with Laboratory AY 21-22</a>
DAP405	<a href="#">Modeling and Rigging with Laboratory AY 21-22</a>

DAP409 [Animation Design and Production AY 21-22](#)

DAEPH [Photography \(elective\) AY 21-22](#)

DAEVE [Visual Effects \(elective\) AY 21-22](#)