University of St. La Salle
BACOLOD

ELECTRONICS ENGINEERING

CURRICULUM MAP

OUTCOMES BASED (OBE) SYSTEM

ELECTRONICS ENGINEERING

CURRICULUM MAP | OUTCOMES BASED (OBE) SYSTEM

Code	Mathematics	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
M-01	Algebra and Trigonometry	3	I												
M-02	Calculus 1	4	I												
M-03	Calculus 2	4	E												
M-04	Engineering Data Analysis	3	I												
M-05	Differential Equation	3	E												
		17													

Code	Natural/Physical Sciences	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
S-01	Chemistry for Engineers (Lec)	4	I												
L-01	Chemistry for Engineers (Lab)	1	I												
S-02	Physics for Engineers (Lec)	4	I	I											
L-02	Physics for Engineers (Lab)	1	I	I											
		10													

MAP LEGEND	
Code	Course Classification
M-XX	Mathematics
S-XX	Natural or Physical Science
L-XX	Laboratory Course
E-XX	Engineering Science
A-XX	Allied
Code	Descriptor
I	Introductory Course
E	Enabling Course
D	Demonstrative Course
Code	Definition
I	An introductory course to an outcome
E	A course that strengthens the outcome
D	A course demonstrating an outcome

ELECTRONICS ENGINEERING

CURRICULUM MAP | OUTCOMES BASED (OBE) SYSTEM

Code	Basic Engineering Sciences	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
E-01	Engineering Drawing & CAD	1	I										I		
E-02	Engineering Economics	3												I	
E-03	Engineering Management	3												I	
E-04	Statics & Dynamics of Rigid Bodies	3												E	
		10													

	Allied Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
A-01	Physics 2 (Lec)	3	E												
L-03	Physics 2 (Lab)	1	E												
A-02	Material Science and Engineering	3	I												
A-03	Computer Programming	2											I		
A-04	Circuits 1 (Lec)	3	E	E											
L-04	Circuits 1 (Lab)	1	E	E											
A-05	Circuits 2 (Lec)	3	E	E											
L-05	Circuits 2 (Lab)	1	E	E											

MAP LEGEND	
Code	Course Classification
M-XX	Mathematics
S-XX	Natural or Physical Science
L-XX	Laboratory Course
E-XX	Engineering Science
A-XX	Allied
Code	Descriptor
I	Introductory Course
E	Enabling Course
D	Demonstrative Course
Code	Definition
I	An introductory course to an outcome
E	A course that strengthens the outcome
D	A course demonstrating an outcome

ELECTRONICS ENGINEERING

CURRICULUM MAP | OUTCOMES BASED (OBE) SYSTEM

	Allied Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
A-06	Technopreneurship 101	3													
A-07	Environmental Science and Engineering	3	E												
		23													

	Professional Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
P-01	Practical Electronics	1		E											
P-02	Advanced Engineering Mathematics for ECE (Lec)	3	E												
L-06	Advanced Engineering Mathematics for ECE (Lab)	1	E												
	Electromagnetics	4	E				E								
P-03	ECE Laws, Contract, Ethics, Standards and Safety	3						E							
P-04	Electronic Devices and Circuits (Lec)	3	E	E			E				E				
L-07	Electronic Devices and Circuits (Lab)	1	E	E			E				E				
P-05	Electronic Circuit Analysis and Design (Lec)	3		E			E				E				
L-08	Electronic Circuit Analysis and Design (Lab)	1		E			E				E				
P-06	Electronic Systems and Design (Lec)	3		E	E		E								
L-09	Electronic Systems and Design (Lab)	1		E	E		E								

MAP LEGEND	
Code	Course Classification
M-XX	Mathematics
S-XX	Natural or Physical Science
L-XX	Laboratory Course
E-XX	Engineering Science
A-XX	Allied
Code	Descriptor
I	Introductory Course
E	Enabling Course
D	Demonstrative Course
Code	Definition
I	An introductory course to an outcome
E	A course that strengthens the outcome
D	A course demonstrating an outcome

ELECTRONICS ENGINEERING

CURRICULUM MAP | OUTCOMES BASED (OBE) SYSTEM

	Professional Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
P-07	Electronics 4	3		E			E								
P-08	Signals, Spectra, Signal Processing (Lec)	3		E			E								
L-10	Signals, Spectra, Signal Processing (Lab)	1		E			E								
P-09	Principles of Communication Systems (Lec)	3		E			E								
L-11	Principles of Communication Systems (Lab)	1		E			E								
P-10	Modulation and Coding Techniques (Lec)	3		E			E								
L-12	Modulation and Coding Techniques (Lab)	1		E			E								
P-11	Data Communications (Lec)	3		E			E								
L-13	Data Communications (Lab)	1		E			E								
P-12	Transmission Media, Antenna System and Design (Lec)	3		E			E								
L-14	Transmission Media, Antenna System and Design (Lab)	1		E			E								
P-13	Logic Circuit and Switching Theory (Lec)	3		E			E								
L-15	Logic Circuit and Switching Theory (Lab)	1		E			E								
P-14	Microprocessor and Microcontroller Systems and Design (Lec)	3		E			E								
L-16	Microprocessor and Microcontroller Systems and Design (Lab)	1		E			E								
P-15	Methods of Research	3								E					

MAP LEGEND	
Code	Course Classification
M-XX	Mathematics
S-XX	Natural or Physical Science
L-XX	Laboratory Course
E-XX	Engineering Science
A-XX	Allied
Code	Descriptor
I	Introductory Course
E	Enabling Course
D	Demonstrative Course
Code	Definition
I	An introductory course to an outcome
E	A course that strengthens the outcome
D	A course demonstrating an outcome

ELECTRONICS ENGINEERING

CURRICULUM MAP | OUTCOMES BASED (OBE) SYSTEM

	Professional Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
L-17	Design 1/Capstone Project 1	1			D					D				D	
L-18	Design 2/Capstone Project 2	1			D					D				D	
L-19	Seminars/Colloquium	1							D						
L-20	Engineering Intensive Appraisal 1	1	D										D		
L-21	Engineering Intensive Appraisal 2	1	D										D		
L-22	Engineering Intensive Appraisal 3	1	D										D		
L-23	Engineering Intensive Appraisal 4	1	D										D		
		75													

Code	Technical Elective Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l	m
T-01	Computer Systems Architecture (Lec)	3													D
L-24	Computer Systems Architecture (Lab)	1													
T-02	Operating Systems and Advanced Programming Language (Lec)	3													
L-25	Operating Systems and Advanced Programming Language (Lab)	1													
		8													

MAP LEGEND	
Code	Course Classification
M-XX	Mathematics
S-XX	Natural or Physical Science
L-XX	Laboratory Course
E-XX	Engineering Science
A-XX	Allied
Code	Descriptor
I	Introductory Course
E	Enabling Course
D	Demonstrative Course
Code	Definition
I	An introductory course to an outcome
E	A course that strengthens the outcome
D	A course demonstrating an outcome

ELECTRONICS ENGINEERING

CURRICULUM MAP | OUTCOMES BASED (OBE) SYSTEM

Code	Non-Technical Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l
N-01	Art Appreciation	3				I				I				
N-02	Ethics	3								I		I		
N-03	Gender and Society	3												
N-04	Great Books	3												
N-05	Life and Works of Rizal	3								I		I		
N-06	Living in IT Era	3												
N-07	Logic	3												
N-08	Mathematics for Modern World	3	I				I							
N-09	National Service Training Program 1	3				I						I		
N-10	National Service Training Program 2	3				I						I		
N-11	Physical Education 1	2				I								
N-12	Physical Education 2	2				I								
N-13	Physical Education 3	2				I								
N-14	Physical Education 4	2				I								
N-15	Public Speaking	3												
N-16	Purposive Communication	3						I		I				

MAP LEGEND	
Code	Course Classification
M-XX	Mathematics
S-XX	Natural or Physical Science
L-XX	Laboratory Course
E-XX	Engineering Science
A-XX	Allied
Code	Descriptor
I	Introductory Course
E	Enabling Course
D	Demonstrative Course
Code	Definition
I	An introductory course to an outcome
E	A course that strengthens the outcome
D	A course demonstrating an outcome

ELECTRONICS ENGINEERING

CURRICULUM MAP | OUTCOMES BASED (OBE) SYSTEM

Code	Non-Technical Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l
N-17	Readings in Philippine History	3						I				I		
N-18	Science, Technology and Society	3								I		I		
N-19	The Contemporary World	3									I	I		
N-20	Understanding the Self	3							I		I	I		
		56												

Code	Institutional Courses	Units	a	b	c	d	e	f	g	h	i	j	k	l
I-01	Group Guidance 1	1.5												
I-02	La Sallian Spirituality	3												
I-03	Christian Morality	3												
I-04	Spirituality in the Workplace	3												
		10.5												

MAP LEGEND	
Code	Course Classification
M-XX	Mathematics
S-XX	Natural or Physical Science
L-XX	Laboratory Course
E-XX	Engineering Science
A-XX	Allied
Code	Descriptor
I	Introductory Course
E	Enabling Course
D	Demonstrative Course
Code	Definition
I	An introductory course to an outcome
E	A course that strengthens the outcome
D	A course demonstrating an outcome