



RA 9299

Negros Oriental State University

NOPS (1907)

NOTS (1927)

EVSAT (1956)

CVPC (1983)

Kagawasan Ave., Dumaguete City, Negros Oriental, Philippines 6200

Republic of the Philippines

June 25, 2004

BACHELOR OF SCIENCE IN GEODETIC ENGINEERING

Per CMO No. 89, series of 2017

Effective School Year 2018-2019

FIRST YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENM 131	Engineering Calculus I	3		3	
ENS 131	Engineering Orientation (GDE)	2		2	
GDE 131	Elementary Surveying	3	3	4	
GE 1	Understanding the Self	3		3	
GE 2	Readings in Philippine History	3		3	
GE 3	The Contemporary World	3		3	
PE 1	Physical Fitness and Health	2		2	
NSTP 1	National Service Training Program 1	3		3	
TOTAL		22	3	23	
*ENM 011	Algebra 1	2		2	
*ENM 012	Plane & Spherical Trigonometry	2		2	

* Enhancement courses for NON-STEM Senior High Graduates

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENM 141	Engineering Calculus 2	3		3	ENM 131
EPS 141	Physics for Engineers	3	3	4	ENM 131
ENS 142	Computer Fund. & Programming	2	3	3	
GDE 141	Higher Surveying	2	6	4	GDE131
GE 4	Mathematics in the Modern World	3		3	
PE 2	Recreational Games and Sports	2		2	
NSTP 2	National Service Training Program 2	3		3	
TOTAL		18	12	22	
*ENM 021	Algebra 2	2		2	
*ENM 022	Analytic Geometry w/ Solid Mensuration	2		2	

SECOND YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENM 231	Differential Equations	3		3	ENM 141
ENS 231	Statics of Rigid Bodies	3		3	EPS 141
ENS 232	Computer-Aided Design	1	3	2	ENS 142
ENS 234	Electrical & Electronics Engineering for GDE	3		3	ENM 141
GDE 231	Geometric Geodesy	3		3	GDE 141, ENM 131
GDE 232	Engineering Surveys	2	6	4	GDE 141
GDE 233	Introduction to the Laws on Private & Public Lands	2	2	2	GDE 141
GE 5	Purposive Communication	3		3	
FIL 1	Akademiko sa Wikang Filipino	3		3	
PE 3	Rhythmic and Social Recreation	2		2	
TOTAL		25	9	28	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENM 241	Engineering Data Analysis	3		3	ENM 131
ENS 241	Dynamics of Rigid Bodies	3		3	ENS 231
GDE 241	Cartography	1	6	3	ENS 232, GDE 231
GDE 242	Physical Geodesy	3		3	GDE 231
GDE 243	Property Surveys	3	6	5	GDE 141
GDE 244	Public Land Laws & Laws of Natural Resources	3		3	GDE 233
GE 10A	Living in the IT Era	3		3	
PE 4	Cultural Presentation & Sports Management	2		2	
TOTAL		21	12	25	

Summer

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GDE 300	Survey Camp 120 hours		3	1	GDE 243, GDE 244

THIRD YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENS 233	Environmental Science & Engineering	3		3	EPS 141
ENS 331	Engineering Economics	3		3	ENM 241
GDE 331	Remote Sensing	2	6	4	EPS 141
GDE 332	Satellite Geodesy	3		3	GDE 242
GDE 333	Theory of Errors and Adjustments	2	3	3	ENM 231
GDE 334	Land Registration Laws	3		3	GDE 233
GE 6	Art Appreciation	3		3	
TOTAL		19	9	22	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENS 244	Principles of Geology	3		3	ENS 233
GDE 341	Geographic Information Systems	1	6	3	GDE 241, GDE, 331
GDE 342	Geodetic Computations & Adjustments	2	6	4	GDE 333
GDE 343	GDE Laws, Obligations, Contracts & Ethics	2		2	GDE 233
GDE 344	Geodetic Surveying	2	6	4	GDE 332
GE 7	Science, Technology & Society	3		3	
GE 8	Ethics	3		3	
GE 11	Gender and Society	3		3	
TOTAL		19	18	25	

Summer

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GDE 400	On-the-Job Training 300 hours	3	300	5	Completed all 3rd year Major Subjects

FOURTH YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENS 431	Advanced Information & Comm. Tech.	3		3	ENS 131
GDE 431	Hydrographic Surveying	2	3	3	GDE 344
GDE 432	Land Use Planning and Development	2	3	3	GDE 341
GDE 433	Methods of Research for GDE	1		1	GDE 400
GDE 434	Photogrammetry	2	6	4	GDE 342
GDE 435	Mine Surveying (GDE Elective)	2	3	3	GDE 232, ENS 244
GE 12	Philippine Popular Culture	3		3	
TOTAL		15	15	20	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENS 243	Technopreneurship	3		3	4th yr standing
ENS 343	Engineering Management	3		3	4th yr standing
ENS 441	Safety Management	3		3	4th yr standing
GDE 441	Special Studies in GDE	1	6	3	GDE 433
GDE 442	Land Administration and Management	3		3	GDE 244, GDE 334
GDE 500	NORSU Eng'g Competency Assessment	3		3	4th yr standing
GE 9	Life & Works of Rizal	3		3	
TOTAL		19	6	21	

First Revision: August 2020

Summary:

NON TECHNICAL	53
General Education:	30
GE Elective/Mandated:	9
Physical Education:	8
NSTP:	6
TECHNICAL	139
Eng'g Math & Physical Sciences:	16
Engineering Sciences:	25
Allied Courses:	12
Professional Courses:	86
Total	192
With Enhancement (for SHS-Off track)	8