CIVIL ENGINEERING PROGRAM CATALOG



Contents

Table of Contents	1	
Vission, Mission, Core Values & Quality Policy	2	
CEA Goals & Institutional Graduate Outcomes	3	
Nature of the Field of Study & Profession/ Careers for Graduates	4	
Faculty	5	
Curriculum 2023 - 2024	8	
Curriculum 2024 - 2025	9	
Program Educational Objectives (PEO)	10	
Program Outcomes (PO)	15	88
JPICE Corner	16	
Student Competitions	17	

NWSSU VISION

The premier technological university in the region providing transformative education where graduates are globally competitive, innovative, and responsive to the demands of a changing world

NWSSU MISSION

NwSSU shall lead in providing highly technical and professional education and lifelong learning in the trade, fishery, agriculture, science, education, commerce, engineering, forestry, nautical, and other emerging programs in the digital age. It shall generate cutting-edge technology and undertake sustainable community development in accordance with the university mandates, thrusts, and directions

NWSSU QUALITY POLICY

Northwest Samar State
University commits to provide
excellent, relevant, and quality
instruction, research, extension,
and production by adhering to
regulatory and statutory
requirements and pledging to
continually improve its Quality
Management System, thereby
satisfying client needsand
producing world-class
professionals.

NWSSU CORE VALUES

Resilience
Integrity
Service
Excellence

COLLEGE OF ENGINEERING & ARCHITECTURE'S

GOALS

The College of Engineering and Architecture shall spearhead in the holistic development of students and achieve a status capable of administering effectively outcomes-based education, research, and extension services that meet professional and technical needs of local and international industries.



GRADUATE OUTCOMES

Creative and Critical Thinkers
Life-long Learners
Effective Communicators
Morally and Socially Upright
Individuals

NATURE OF THE FIELD STUDY

Civil engineering is a profession that applies the basic principles of science in conjunction with mathematical and computational tools to solve problems associated with developing and sustaining civilized life on our planet. Civil Engineering works are generally one-of-a-kind projects; they are often grand in scale; and they usually require cooperation among professionals of many different disciplines. The completion of a civil engineering project involves the solution of technical problems in which information from numerous sources and myriad nontechnical factors play a significant role. Some of the most common examples of civil engineering works include bridges, buildings, dams, airports and hangars, ports and harbors, highways and railways, tunnels, river and shore improvements, lighthouses, dry docks, irrigations, flood protection, drainage, water supply, and towers.

PROFESSIONS/CAREERS FOR GRADUATES

The scope of the practice of Civil Engineering is defined in the Civil Engineering Law of 1950 or R.A. 544 and embrace services in the form of consultation, design, preparation of plans, specifications, estimates, erection, installation and supervision of the construction of streets, bridges, highways, railroads, airports, and hangars, port works, canals, river and shore improvements, lighthouses, and dry docks; buildings, fixed structures for irrigation, flood protection, drainage, water supply and sewerage works; demolition of permanent structures; and tunnels.

MEET THE FACULTY



OTILIA G. TADUYO

Assistant Professor I

Earned Units in Master in Engineering major in Water Resource and Environment

Length of Service: 34 years

ROMEO B. SANTOS

Associate Professor V

Faculty Association Vice President

Doctor of Management Master in Engineering

Length of Service: 33 years





ERWIN B. MIANO

Instructor III

Completed Academic Requirements in Master in Engineering major in Engineering Management

Length of Service: 21 years

MEET THE FACULTY



MARLON D. SOBREVIGA

Assistant Professor IV

SPFIDO Director

Master in Engineering major in Engineering Management

Length of Service: 20years

TEODORO A. AMATOSA

Assistant Professor I

- Doctor in Engineering major in Water and Wastewter
- Master in Engineering major in Engineering Management

Length of Service: 16 years





MARIANNE LOU A. PALOMAR Instructor III

Master in Engineering major in Engineering Management

Length of Service: 11 years

MEET THE FACULTY



DINAH FET. OLITAN

Instructor II

BSCE Program Chair

Master in Engineering major in Engineering Management

Length of Service: 7 years

ANGEL MARY CRIS S. ROSALES Instructor I

Completed Academic Requirements in Master in Engineering major in Engineering Management

Length of Service: 2 years





LELAND G. AFUNDAR

Instructor I

Completed Academic Requirements in Master in Engineering major in Engineering Management

Length of Service: 1year

CURRICULUM CHECKLIST

(SY 2023 - 2024)

First year - 1st Sem.

Course Code	Course Description	Hours		11-34-	D D-/O- D-
	Course Description	Lec	Lab	Units	Pre-Re/Co-Re
B1	Engineering Algebra	3	0	3	None
B2	Engineering Trigonometry	3	0	3	None
B3	Solid Mensuration	3	0	3	None
B4	Analytic Geometry	3	0	3	None
GE 7	Science, Technology & Society	3	0	3	None
GE 4	Mathematics in the Modern World	3	0	3	None
ChemE	Chemistry for Engineers	3	3	4	None
CE 112	Civil Engineering Orientation	2	0	2	None
GEC Elec 1	Living in the IT Era	3	0	3	None
PE1	Movement Competency Training (PATHFit 1)	2	0	2	None
NSTP 1	National Service Training Program 1	3	0	3	None

TOTAL HOURS: 34 31 3 32

First year - Summer

Course Code	Subject Description	Hours		Linita	Pre-Re/Co-Re
Course Code	Subject Description	Lec	Lab	Units	rie-Re/Co-Re
Math 2	Calculus 2	3	0	3	Math 1
PhysE 1	Physics for Engineers (Calculus Based)	3	3	4	Math 1

TOTAL HOURS: 9 6 3 7

Second year - 1st Sem.

Course Code	Subject Description	Но	Hours		D D- (O- D-
	Subject Description	Lec	Lab	Units	Pre-Re./Co-Re.
Math 4	Differential Equations	3	0	3	Math 2
ES 2	Computer-Aided Drafting	0	3	1	ES 1
CE213	Statics of Rigid Bodies	3	0	3	Math 2, PhysE
CE214	Fundamental of Surveying	3	3	4	CE 121
BES 4	Engineering Economics	3	0	3	2 nd yr. Standing
BES 6	Engineering Management	2	0	2	2 nd yr. Standing
GE 5	Purposive Communication	3	0	3	None
GE 2	Readings in Philippine History	3	0	3	None
PE 3	Group Activities (PATHFit 3)	2	0	2	None

TOTAL HOURS: 28 22 6 24

Third year - 1st Sem.

Course Code	Subject Description	Но	Hours		Pre-Re./Co-Re.
		Lec	Lab	Units	FIE-RE./CO-RE.
CE 314	Structural Theory	3	3	4	CE 242, CE 224
CE 313	Highway and Railroad Engineering	3	0	3	CE 214
CE 333	Engineering Utilities 1	3	0	3	PhysE
CE 353	Engineering Utilities 2	3	0	3	PhysE
CE 373	Numerical Solutions for CE Problems	2	3	3	Math 4
GE 8	Ethics	3	0	3	None
GEC Elec 3	Indigenous Creative Crafts	3	0	3	None

TOTAL HOURS: 26 20 6 22

Third year - Summer

Course	Subject Description		Hours		Pre-Re./Co-Re.
Code	Subject Description	Lec	Lab	Units	Fie-Re./Co-Re.
CE OJT	On the Job Training	2	3	3	4 th yr. Standing
	TOTAL HOURS: 5	2	3	3	

Fourth year - 1st Sem.

Course Code	Cubinst Description	Hours	Hours		D D- (O- D-
	Subject Description	Lec	Lab	Units	Pre-Re./Co-Re.
CE 412	CE Project 2	1	3	2	CE 362
CE 432	Correlational Course 1	0	6	2	4th yr. Standing
CE 413	Principles of Transportation Engineering	3	0	3	CE 313
CE 414	Geotechnical Engineering 1 (Soil Mechanics)	3	3	4	CE222, CE224
ST-COURSE 1	Specialized Course 1: Project Construction and Management	2	3	3	4th year standing
ST-COURSE 2	Specialized Course 2: Advanced Construction Method & Equipment	2	3	3	4th year standing
ST-COURSE 3	Specialized Course 3: Construction Cost Engineering	2	3	3	4th year standing

TOTAL HOURS: 34 13 21 20

First year - 2nd Sem.

Course Code	Subject Description	Но	Hours	Hours		Hours		Hours		Pre-Re./Co-Re.
	Subject Description	Lec	Lab	Units	Pre-Re./Co-Re.					
GE 3	The Contemporary World	3	0	3	None					
GE 1	Understanding the Self	3	0	3	None					
Math 1	Calculus 1	3	0	3	B1, B2, B3, B4					
CE 121	Engineering Drawings and Plans	0	3	1	None					
ES 1	Computer Fundamentals and Programming	0	6	2	None/ Math 1					
GEC Elec 2	The Entrepreneurial Mind	3	0	3	None					
PE 2	Exercise-Based Fitness Activities (PATHFit 2)	2	0	2	None					
NSTP 2	National Service Training Program 2	3	0	3	NSTP 1					

TOTAL HOURS: 26 17 9 20

Second year - 2nd Sem.

Course Code	Cubinet Deposition	Ho	Hours	Hours		Pre-Re./Co-Re.
	Subject Description	Lec	Lab	Units	Pre-Re./Co-Re.	
Math 3	Engineering Data Analysis	3	0	3	Math 2	
CE 222	Geology for Civil Engineers	2	0	2	ChemE	
CE 242	Dynamics of Rigid Bodies	2	0	2	CE 213	
CE 224	Mechanics of Deformable Bodies	4	0	4	CE 213	
CE 223	Construction Materials and Testing	2	3	3	CE 213/ CE224	
GE 6	Art Appreciation	3	0	3	None	
RIZAL	Life and Works of Rizal	3	0	3	None	
PE 4	Sports (PATHFit 4)	2	0	2	None	
MATH 5	Advanced Engineering Mathematics	3	0	3	Math 4	

TOTAL HOURS: 27 24 3 25

Third year - 2nd Sem.

Course Subject Description	Subject Description	Hours	Hours		Hours		Hours		Pre-Re./Co-Re.
	Lec	Lab	Units	FIE-RE./CO-RE.					
BES 5	Technopreneurship 101	3	0	3	3 rd yr. Standing				
CE 323	Building Systems Design	2	3	3	CE 121				
CE 343	Principles of Steel Design	2	3	3	CE 223, CE 314				
CE 324	Principles of Reinforced/Pre-stressed Concrete	3	3	4	CE 223, CE 314				
CE 322	Hydrology	2	0	2	3 rd yr. Standing				
CE 325	Hydraulics	4	3	5	3 rd yr. Standing				
CE 342	CE Laws, Ethics, and Contracts	2	0	2	3 rd yr. Standing				
CE 362	CE Project 1	1	3	2	3 rd yr. Standing				

TOTAL HOURS: 34 19 15 24

Fourth year - 2nd Sem.

Course Code	Subject Description	Hours			
		Lec	Lab	Units	Pre-Re./Co-Re
CE 422	Correlational Course 2	0	6	2	4 th yr. Standing
CE 442	Quantity Surveying	1	3	2	CE323
CE 462	Computer Softwares in Structural Analysis	0	6	2	4th yr. Standing
CE 423	Foundation and Retaining Wall Design	2	3	3	4th yr. Standing
CE 443	Construction Methods and Project Management	2	3	3	4th year standing
ST-COURSE 4	Specialized Course 4: Data Base Management Construction	2	3	3	4th year standing
ST-COURSE 5	Specialized Course 5: Construction Occupational Safety and Health	2	3	3	4th year standing

CURRICULUM CHECKLIST

(SY 2024- 2025)

First year - 1st Sem.

Course Code	Course Description	Hours			Hours		Pre-Re/Co-Re
	Course Description	Lec	Lab	Units	Pre-Re/Co-Re		
B1	Engineering Algebra	3	0	3	None		
B2	Engineering Trigonometry	3	0	3	None		
B3	Solid Mensuration	3	0	3	None		
B4	Analytic Geometry	3	0	3	None		
GE 4	Mathematics in the Modern World	3	0	3	None		
ChemE	Chemistry for Engineers	3	3	4	None		
CE 112	Civil Engineering Orientation	2	0	2	None		
PE1	Movement Competency Training (PATHFit 1)	2	0	2	None		
NSTP 1	National Service Training Program 1	3	0	3	None		

TOTAL HOURS: 28 25 3 26

First year - Summer

Course	Subject Description	Hours		Units	Pre-Re/Co-Re	
Code		Lec	Lab	Onits	1 Te-Ne/CO-Ne	
Math 2	Calculus 2	3	0	3	Math 1	
PhysE 1	Physics for Engineers (Calculus Based)	3	3	4	Math 1	

TOTAL HOURS: 9 6 3

Second year - 1st Sem.

Course	Subject Description	Но	urs	Units	Pre-Re./Co-Re		
Code		Lec	Lab	Units			
Math 4	Differential Equations	3	0	3	Math 2		
ES 2	Computer-Aided Drafting	0	3	1	ES1		
CE213	Statics of Rigid Bodies	3	0	3	Math 2, PhysE		
CE214	Fundamental of Surveying	3	3	4	CE 121		
BES 4	Engineering Economics	3	0	3	2 nd yr. Standing		
BES 6	Engineering Management	2	0	2	2 nd yr. Standing		
GE 5	Purposive Communication	3	0	3	None		
GE 2	Readings in Philippine History	3	0	3	None		
PE 3	Group Activities (PATHFit 3)	2	0	2	None		

TOTAL HOURS: 28 22 6 24

Third year - 1st Sem.

Course Code	Subject Description	Но	urs	Units	Pre-Re./Co-Re	
		Lec	Lab	Units		
CE 314	Structural Theory	3	3	4	CE 242, CE 224	
CE 313	Highway and Railroad Engineering	3	0	3	CE 214	
CE 333	Engineering Utilities 1	3	0	3	PhysE	
CE 353	Engineering Utilities 2	3	0	3	PhysE	
CE 373	Numerical Solutions for CE Problems	2	3	3	Math 4	
GE 8	Ethics	3	0	3	None	
GEC Elec 3	Indigenous Creative Crafts	3	0	3	None	

TOTAL HOURS: 26 20 6 22

Third year - Summer

Course	Subject Description	Hours		Unite	Pre-Re./Co-Re.	
Code	Subject Description	Lec	Lab	UIIIIS	Pie-Re./Co-Re.	
CE OJT	On the Job Training	2	3	3	4 th yr. Standing	

TOTAL HOURS: 5 2 3 3

Fourth year - 1st Sem.

Course	Subject Description	Но	urs		Pre-Re./Co-Re.	
Code		Lec	Lab	Units		
CE 412	CE Project 2	1	3	2	CE 362	
CE 413	Principles of Transportation Engineering	3	0	3	CE 313	
CE 414	Geotechnical Engineering 1 (Soil Mechanics)	3	3	4	CE222, CE224	
CE 432	Correlational Course 1	4	0	4	4 th yr. Standing	
CE 433	Reinforced Concrete Design	2	3	3	CE 324	
ST-COURSE1	Specialized Course 1: Project Construction and Management	3	3	4	4th year standing	
ST-COURSE 2	Specialized Course 2: Advanced Construction Method & Equipment	3	0	3	4th year standing	
ST-COURSE 3	Specialized Course 3: Construction Cost Engineering	3	0	3	4th year standing	

First year - 2nd Sem.

Course	Subject Description	Но	urs	Units	Pre-Re./Co-Re	
Code		Lec	Lab	Units		
GE 3	The Contemporary World	3	0	3	None	
GE 1	Understanding the Self	3	0	3	None	
Math 1	Calculus 1	3	0	3	B1, B2, B3, B4	
CE 121	Engineering Drawings and Plans	0	3	1	None	
ES 1	Computer Fundamentals and Programming	0	6	2	None/ Math 1	
GEC Elec 1	Living in the IT Era	3	0	3	None	
GEC Elec 2	The Entrepreneurial Mind	3	0	3	None	
PE 2	Exercise-Based Fitness Activities (PATHFit 2)	2	0	2	None	
NSTP 2	National Service Training Program 2	3	0	3	NSTP 1	

TOTAL HOURS: 29 20 9 23

Second year - 2nd Sem.

Course Code	Subject Description	Но	urs	Limite	Pre-Re./Co-Re	
		Lec	Lab	Units		
Math 3	Engineering Data Analysis	3	0	3	Math 2	
CE 222	Geology for Civil Engineers	2	0	2	ChemE	
CE 242	Dynamics of Rigid Bodies	2	0	2	CE 213	
CE 224	Mechanics of Deformable Bodies	4	0	4	CE 213	
CE 223	Construction Materials and Testing	2	3	3	CE 213/ CE224	
GE 6	Art Appreciation	3	0	3	None	
GE 7	Science, Technology & Society	3	0	3	None	
RIZAL	Life and Works of Rizal	3	0	3	None	
PE 4	Sports (PATHFit 4)	2	0	2	None	

TOTAL HOURS: 27 24 3 25

Third year - 2nd Sem.

Course Code	Subject Description	Но	urs	Units	Pre-Re./Co-Re		
		Lec	Lab	Units			
BES 5	Technopreneurship 101	3	0	3	3 rd yr. Standing		
CE 323	Building Systems Design	2	3	3	CE 121		
CE 343	Principles of Steel Design	2	3	3	CE 223, CE 314		
CE 324	Principles of Reinforced/Pre-stressed Concrete	3	3	4	CE 223, CE 314		
CE 322	Hydrology	2	0	2	3 rd yr. Standing		
CE 325	Hydraulics	4	3	5	CE 314		
CE 342	CE Laws, Ethics, and Contracts	2	0	2	3 rd yr. Standing		
CE 362	CE Project 1	1	3	2	CE 223, CE 314		

TOTAL HOURS: 34 19 15 24

Fourth year - 2nd Sem.

Course	Cubicat Description	Но	urs		D D- (O- D-	
Code	Subject Description	Lec	Lab	Units	Pre-Re./Co-Re	
CE 422	Correlational Course 2	4	0	4	4 th yr. Standing	
CE 442	Quantity Surveying	1	3	2	CE323	
CE 462	Steel Design	2	3	3	CE 343	
CE 423	Foundation and Retaining Wall Design	2	3	3	4 th yr. Standing	
CE 443	Construction Methods and Project Management	3	0	3	4th year standing	
ST-COURSE 4	Specialized Course 4: Data Base Management Construction	3	0	3	4th year standing	
ST-COURSE 5	Specialized Course 5: Construction Occupational Safety and Health	3	0	3	4th year standing	

TOTAL HOURS: 27 18 9 21

PROGRAM EDUCATIONAL OBJECTIVES

1

Graduates will pass the licensure examination for Civil Engineers.

		1	H 50 OR MORE EXAMINEES) OVERALL PERFORMANCE					
	RANK	SCHOOL	PASSED		FAILE		L 1% PASSE	7
	1	UNIVERSITY OF THE PHILIPPINES - DILIMAN		82	6	88	93.18%	1
	2	CARLOS HILADO MEMORIAL STATE UNIV TALISAY (FOR CCH MSC)	_	53	5	58	91.38%	1
	3	PAMANTASAN NG LUNGSOD NG MAYNILA		68	10	78	87.18%	1
	4	PANGASINAN STATE UNIVERSITY - URDANETA		79	21	100	79.00%	ă .
				110	35	145	75.86%	1
		NORTHWEST SAMAR STATE UNIVERSITY		109	36	145	75.17%	1
		Congratulations to our		66	23	89	74.16%	1
		Congrabilations/ to our NEW CIVIL ENGINEERS		61	27	88	69.32%]
	FOR	PASSING THE RECENT CIVIL ENGINEERING LICENSURE EXAMINATION 2024		96	45	141	68.09%	
60				53	26	79	67.09%	
				103	56	159	64.78%	
ON AQUE	BALBARONA	BOHOL CACHERO CAGOMOC CATAMORA CATARUS CORTADO DAMIAR DELA CRUZ	1	47	28	75	62.67%	
LEV. RENÉR S.	LINDSAY B.	KYLER CHANDUN M. ATHENN MAE D. BHEA MAE DALE CYBEL T. KLYDE JOSEPH M. PRIJOEN JAY C. SHABA MAE		47	1 29	76	61 84%	
	3					First Time	rs	Nat
			YEAR	MONTH	Passed	Failed	Passing	Pas
FRAGA H R. DANILO MALOLOY ON 3R.	GOMEZ ROBERCH G.	JACUIO JARITO MANCOL MENDOZA PASCUA PRUDENCIADO PUJANTE PURCIA ROMEL 2006PH AL GLADYS S. EVIN RAMY. ALDRIN V. 2555E C. 25949FH SUZETTE D. GLIN DAMYC R. ROMEL 2006PH			1 dosed	ranea	Percentage	Perc
			2024	NOVEMBER	21	13	61.76% 个	37.
			2021	APRIL	10	10	50.00% 个	39.
LAS RELLITA	SABILAO	SALAS SALINO SILANGAN SUMAGDON TACHOY TARRAYO TOCAYON VELASCO	2023	NOVEMBER	25	28	47.17% 个	33.
ER B. LURENE D.	CHRISTIAN	SECRES SAUGHO SICHALOR SURRIDOR TOTAL SAUGH SAUG	2023	APRIL	16	6	72.73% ↑	34.
		IS PROUD OF YOU!	2022	NOVEMBER	22	24	47.83% ↑	39.
su.edu.ph () @nwasumoin	ncalbayog @@nwssu_	NATIONAL PASSING PERCENTAGE: 37.07%	2022	MAY	8	23	25.81% ↓	42.
	24	SOUTHERN LEYTE STATE UNIVERSITY - SOGOD		33	28	61	54.10%	1
	25	XAVIER UNIVERSITY		53	45	98	54.08%	
	26	MAPUA UNIVERSITY - MANILA		176	150	326	53.99%	
	27	MARINDUQUE STATE COLLEGE - BOAC		47	41	88	53.41%	
	28	UNIVERSITY OF BATANGAS		74	65	139	53.24%	
	29	TONIVERSHIT OF WIINDAWAO - DAVAO CHT		101	1 140	309	32.10%	4





PROGRAM EDUCATIONAL OBJECTIVES

Graduates will achieve a high level of technical expertise so that they are able to succeed in positions in civil engineering practice or research, and in other fields they chose to pursue.

2





DR. ERNESTO J. GUADES
Assistant Professor (Structural Engineerin

Ist Filipino recipient of the highly prestigious European Union's Marie Sklodowska Curie post-doctoral fellowship in Civil and Structural Engineering at the Technical University of Denmark (DTU).





"Motivation for Research and Publication as an Academician" Engr. Orlean G. Dela Cruz PSMREM & MSCE CHAIRPERSON Graduate School Polytechnic University of the Philipoines

ome the 1% (World Scientist)* International Journal of Applied Engineering Research ISSN 0973-4562 Volume 14, Number 10 (2019) pp. 2399-2404 (in Hassani © Research India Publications. http://www.ripublication.com

Swell Classification Analysis for Re-engineering Expansive Soil using Agricultural Waste Materials

Jovelyn D. Bastasa", April Joy B. Roxas", Kaeselle D. Sagayap", Roi Rafael L. Salurio", Jayzle O. Sampayan", Hanjin L. Taniñas", Marlon D. Sobreviga", Dinah Fe T. Olitan", Teodoro A. Amatosa, Jr. ab

*College of Engineering and Technology, Northwest Samar State University, Calbayog City, Samar 6710 Philippines.
*Engineering Graduate Program, School of Engineering, University of San Carlos, Talamban Campus, Cebu City, 6000 Philippines.

Corresponding Author





PROGRAM EDUCATIONAL OBJECTIVES

3

Graduates will produce engineering designs that are based on sound principles that consider functionality, aesthetics, safety, cost effectiveness and sustainability.



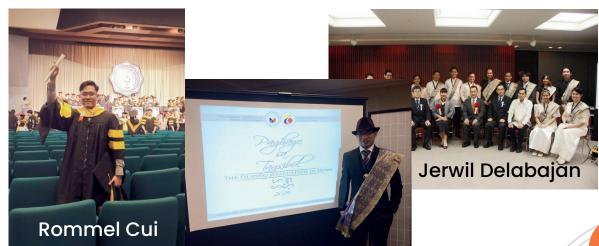






4

Graduates will pursue lifelong learning such as graduate studies and other professional education.



12

PROGRAM OUTCOMES

5

Graduates will engage in professional service, such as participation in professional society and community service.



PROGRAM OUTCOMES

Graduates will fulfill values, professional and ethical responsibilities in the practice of civil engineering, including social, environmental and economic considerations.



Swell Classification Analysis for Re-engineering Expansive Soil using Agricultural Waste Materials ovelyn D. Bastasa*, April Joy B. Roxas*, Kaeselle D. Sagayap*, Roi Rafael L. Salurio*, Jayzle O. Samp Hanjin L. Taniñas*, Marlon D. Sobreviga*, Dinah Fe T. Olitan*, Teodoro A. Amatosa, Jr.*. e Program, School of Engineering, University of San Carlos, Talambae Can Cebu City, 6000 Philippines.

PHILIPPINE INSTITUTE OF CIVIL ENGINEERS, INC. CALBAYOG CHAPTER, CHARTER NO.78 IN CELEBRATION OF CIVIL ENGINEERING MONTH,
JOIN AND PARTICIPATE WITH US FOR MOTORCADE AND NOVEMBER 8, 2024 (FRIDAY) CALBAYOG COASTAL ROAD #PICECALBAYOGCARES

Graduates will be leaders, both in their chosen profession and in other activities.







Margie D. Sobreviga Former PICE Pres. Engineering Technology Center Owner



Marlon D. Sobreviga NWSSU SPFIDO Director Ramon A. Calagos District Engineer Camarines Sur 1st District

PROGRAM OUTCOMES

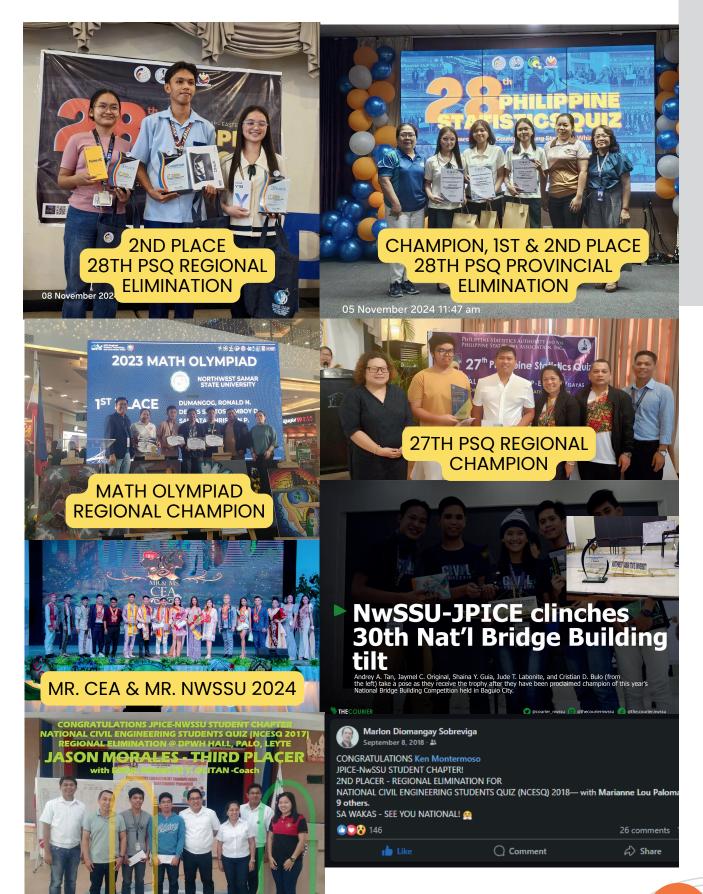
- 1. Apply knowledge of mathematics and science to solve civil engineering problems.
- 2. Design and conduct experiments, as well as to analyze and interpret data.
- Design a system, component, or process to meet desired needs within realistic constraints, in accordance with standards.
- 4. Function in multidisciplinary and multi-cultural teams.
- 5. Identify, formulate, and solve civil engineering problems.
- 6. Understand professional and ethical responsibility.
- 7. Communicate effectively civil engineering activities with the engineering community and with society at large.
- 8. Understand the impact of civil engineering solutions in a global, economic, environmental, and societal context.
- 9. Recognize the need for, and engage in life-long learning.
- 10. Know on contemporary issues.
- 11. Use techniques, skills, and modern engineering tools necessary for civil engineering practice.
- 12. Know and understand engineering and management principles as a member and leader of a team, and to manage projects in a multidisciplinary environment.
- 13. Understand at least one specialized field of civil engineering practice.

JUNIOR PHILIPPINE INSTITUTE OF CIVIL ENGINEERS

JPICE



STUDENT COMPETITIONS



THANK YOU! TO GOD BE THE GLORY!

