REPUBLIC OF THE PHILIPPINES
UNIVERSITY OF THE SOUTHERN MINDANAO
KABACAN, COTABATO

College of Science and Mathematics

BACHELOR OF SCIENCE IN APPLIED MATHEMATICS

LEVEL I
OCTOBER 26 - 30, 2026



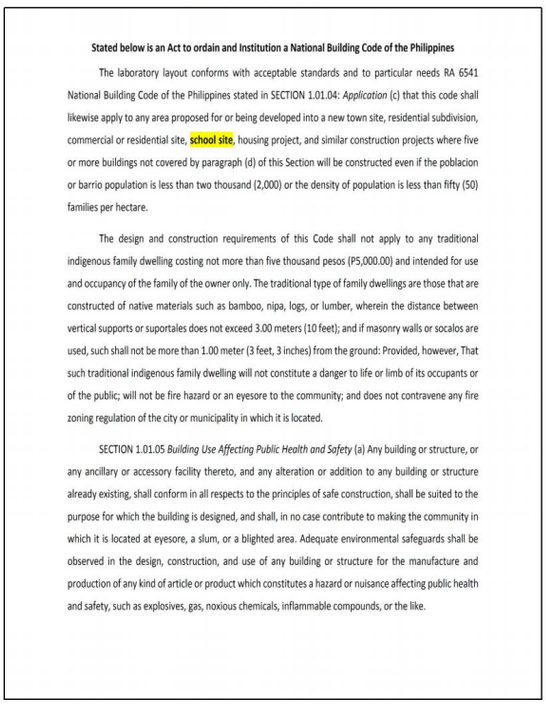
AREA IX
Laboratories

Program Performance Profile

PARAMETER A – LABORATORIES

1. SYSTEM-INPUTS AND PROCESSES

- Present the approved building plan showing the location of laboratory rooms/shops utilized in the program and its conformity to RA-6541-National Building Code of the Philippines & PD 856-Code of Sanitation of the Philippines.



Stated below is an Act to ordain and Institution a National Building Code of the Philippines

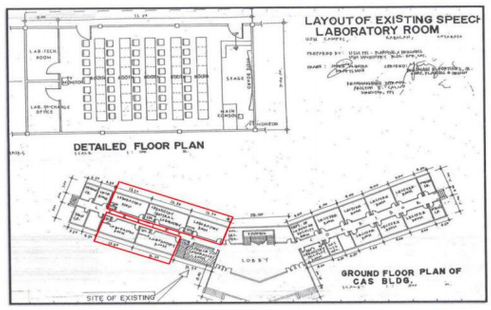
The laboratory layout conforms with acceptable standards and to particular needs RA 6541 National Building Code of the Philippines stated in SECTION 1.01.04: *Application* (c) that this code shall likewise apply to any area proposed for or being developed into a new town site, residential subdivision, commercial or residential site, school site, housing project, and similar construction projects where five or more buildings not covered by paragraph (d) of this Section will be constructed even if the poblacion or barrio population is less than two thousand (2,000) or the density of population is less than fifty (50) families per hectare.

The design and construction requirements of this Code shall not apply to any traditional indigenous family dwelling costing not more than five thousand pesos (P5,000.00) and intended for use and occupancy of the family of the owner only. The traditional type of family dwellings are those that are constructed of native materials such as bamboo, nipa, logs, or lumber, wherein the distance between vertical supports or suportales does not exceed 3.00 meters (10 feet); and if masonry walls or socalos are used, such shall not be more than 1.00 meter (3 feet, 3 inches) from the ground: Provided, however, That such traditional indigenous family dwelling will not constitute a danger to life or limb of its occupants or of the public; will not be fire hazard or an eyesore to the community; and does not contravene any fire zoning regulation of the city or municipality in which it is located.

SECTION 1.01.05 *Building Use Affecting Public Health and Safety* (a) Any building or structure, or any ancillary or accessory facility thereto, and any alteration or addition to any building or structure already existing, shall conform in all respects to the principles of safe construction, shall be suited to the purpose for which the building is designed, and shall, in no case contribute to making the community in which it is located at eyesore, a slum, or a blighted area. Adequate environmental safeguards shall be observed in the design, construction, and use of any building or structure for the manufacture and production of any kind of article or product which constitutes a hazard or nuisance affecting public health and safety, such as explosives, gas, noxious chemicals, inflammable compounds, or the like.

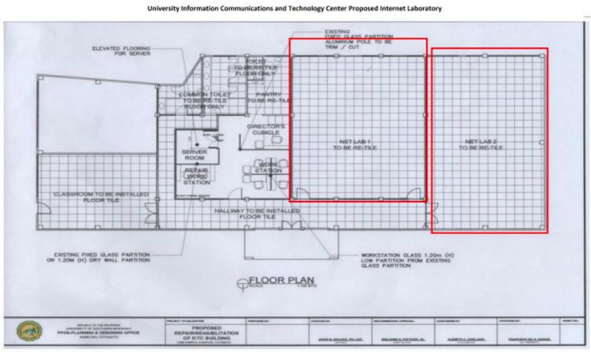


College of Arts and Sciences building Floor Plan where speech laboratory, Biology Laboratory, Physics Laboratory and Chemistry Laboratory found





University Information Communications and Technology Center Proposed Internet Laboratory



The USM laboratory facilities comply with applicable Philippines building and sanitation standards and meet the specific needs of the academic program. Laboratories have adequate lighting, proper ventilation, and safe emergency exits. Specialized shop-work facilities available where meet the required by the program. A computer laboratory have at least 15 functional computer units and a printer. Additionally, the laboratory space have 2 square meters per student with a total are of 70 square meters. Additional Evidence:

https://drive.google.com/drive/folders/1-lEdj9sDrKZ4B9k-KZYNabROd_iiOX1n?usp=share_link

2. IMPLEMENTATION

- Present in pictorial form the furniture, equipment, fire extinguisher, first aid kits, multimedia center, and other parahernalia needed in the Laboratories.

Fire alarm and Fire extinguishers in the laboratory were readily available and accessible conspicuously in case of fire.





SAFETY AND PRECAUTIONARY MEASURES ARE PROVIDED AND IMPLEMENTED



First Aid Kit in the CE – 11 Laboratory Room

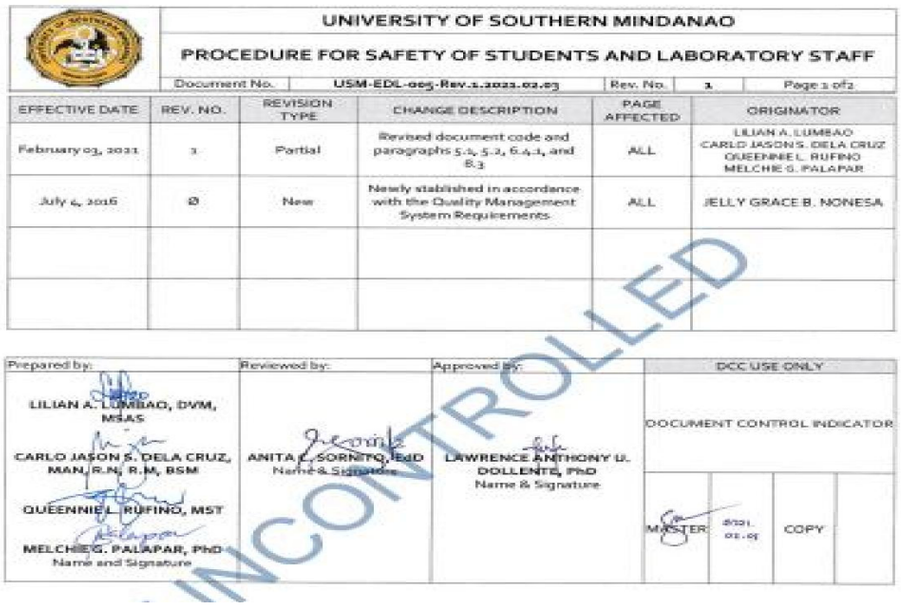


First Aid Kit in the CE – 10 Laboratory Room

Additional Evidence:
https://drive.google.com/drive/folders/1j10QxKqnEu9YtcgO9Ym5-tm75dMIz98O?usp=share_link

- Present sample and in pictorial form Laboratory Operations Manual for the faculty and students.

I.4. Laboratory Operations Manuals for the faculty and students are provided in each laboratory.



UNIVERSITY OF SOUTHERN MINDANAO

PROCEDURE FOR SAFETY OF STUDENTS AND LABORATORY STAFF

Document No. USM-EDL-005-Rev.1.2021.02.03 | Rev. No. 1 | Page 1 of 2

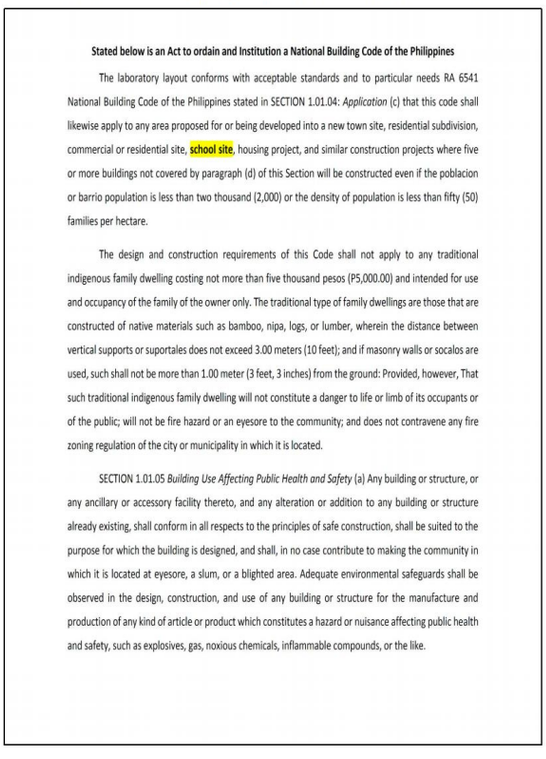
EFFECTIVE DATE	REV. NO.	REVISION TYPE	CHANGE DESCRIPTION	PAGE AFFECTED	ORIGINATOR
February 03, 2021	1	Partial	Revised document code and paragraphs 5.4, 5.2, 6.4.1, and 8.3	ALL	LILIAN A. LUMBAO CARLO JASON S. DELA CRUZ QUEENNIE L. RUFINO MELCHIE G. PALAPAR
July 6, 2016	0	New	Newly established in accordance with the Quality Management System Requirements	ALL	JELLY GRACE B. NONESA

Prepared by:	Reviewed by:	Approved by:	DCC USE ONLY
LILIAN A. LUMBAO, DVM, MSAS CARLO JASON S. DELA CRUZ, MAN, R.N, R.M, BSM QUEENNIE L. RUFINO, MST MELCHIE G. PALAPAR, PhD Name and Signature	ANITA L. SORNITO, EdD Name & Signature	LAWRENCE ANTHONY U. DOLLENTE, PhD Name & Signature	DOCUMENT CONTROL INDICATOR MASTER 5/31.02.05 COPY

UNCONTROLLED

Additional List of Manual Evidence: https://drive.google.com/file/d/1HLpzD8hOHxdK2f9DMaiHNf2OaTzLV0t_/view?usp=share_link

- Present certification of Conformity to RA 6541 & PD 856 from the Head of the Physical Plant & Site Development Office.



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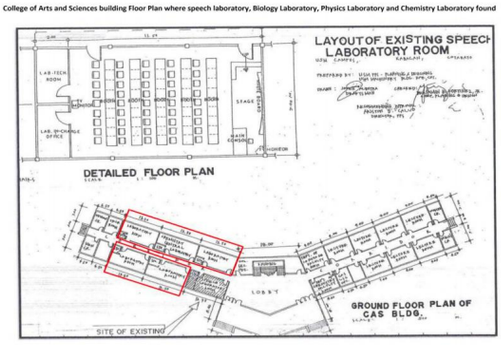
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College of Arts and Sciences building Floor Plan where speech laboratory, Biology Laboratory, Physics Laboratory and Chemistry Laboratory found



- List all CHED-required Laboratories

CHED-required laboratories	Please check		
	Existing	Not Existing	Remarks
Computer Laboratory	\		Available
Physics Laboratory	\		Available
Chemistry LAboratory	\		Available
Biology Laboratory	\		Available
Microbiology LAboratory	\		Available
General Science LAboratoryl	\		Available
Language Laboratory	\		Available
Research Laboratory	\		Available
Specialized or Technical Laboratory	\		Available

- Prepare a Brief Description of each laboratory room (Natural Science, Computer/Technology, Shop, Speech, PE, etc.)

Natural Science Laboratory

Provides facilities, equipment, and materials for conducting scientific experiments and practical activities in biology, chemistry, physics, and other natural sciences.



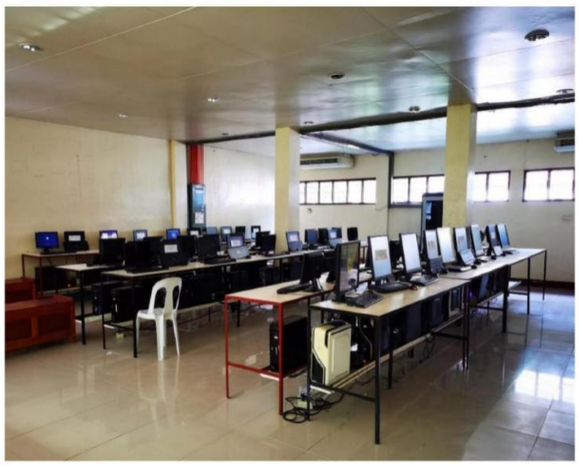


Additional Evidence:

- https://drive.google.com/file/d/1vdz0yZ4pCrOVriCKWEzdLDsWurgEhiO-/view?usp=share_link
- https://drive.google.com/file/d/1vdz0yZ4pCrOVriCKWEzdLDsWurgEhiO-/view?usp=share_link

Computer Laboratory

Provide computers, software , and internet access to support computer based learning, programming, research, data analysis, and other digital activities.





A

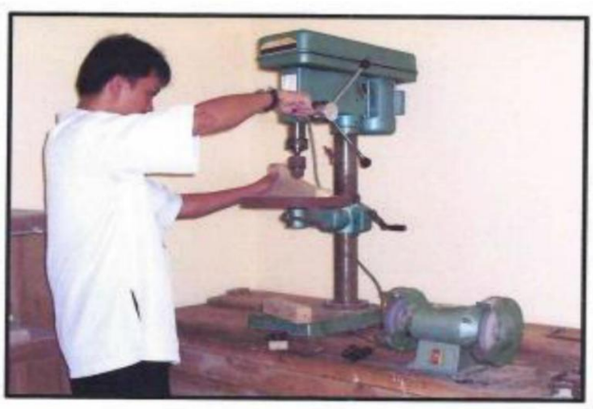
Additional Evidence:

- https://drive.google.com/file/d/1b-Ejc9Ia644Rw7a2PAgu7CQ5HmjzP34B/view?usp=share_link
- https://drive.google.com/file/d/1J6jZ82cdojOcbhqnrx0UiGrOqFg-blwK/view?usp=share_link

Shop Laboratory

Provides tools, equipment, and workspace for practical activities, technical skills development, a nd hands-on learning in shop work and related subjects.



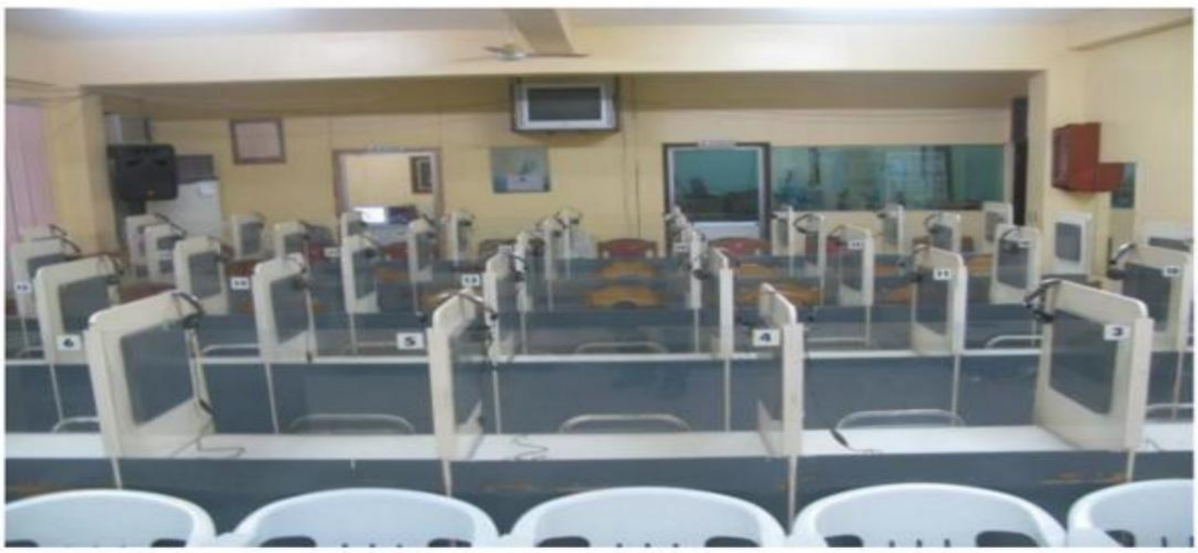


Additional Evidence:

- https://drive.google.com/file/d/1b-Ejc9Ia644Rw7a2PAgu7CQ5HmjzP34B/view?usp=share_link
- https://drive.google.com/file/d/1xgennIYWiRua2x_8P1ywc2RQJGGf_SNr/view?usp=share_link

Speech Laboratory

Provides audio equipment, computers, and learning materials to develop students' speaking, list ening, pronunciation, communication, and language proficiency skills.



Additional Evidence: https://drive.google.com/file/d/1J6jZ82cdojOcbhqnrx0UiGrOqFg-blwK/view?usp=share_link

Physical Education (PE) Laboratory

Provides facilities, sports equipment, and instructional materials for physical fitness activities, s ports training, exercise, and practical physical education classes.



Additional Evidence: https://drive.google.com/file/d/1J6jZ82cdojOcbhqnrx0UiGrOqFg-blwK/view?usp=share_link

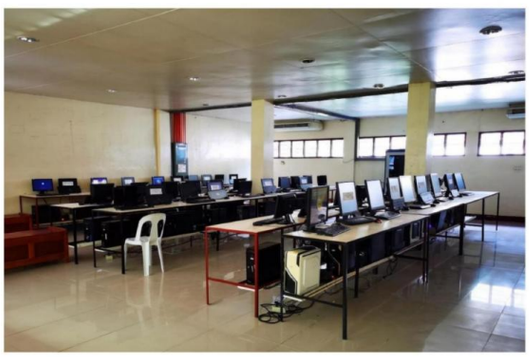
- List all Laboratory and Operation Manuals in actual use.

Name of Laboratory	Laboratory Manuals Available	Operation Manuals (OM) Available
Biology Laboratory	1. Laboratory Manual in Microbiology 2. Laboratory Manual in General Biology 3. Laboratory Manual in General Zoology 4. Laboratory Manual in Ecology	OM for Acer Projector
		OM for Blender
		OM for Computer Printer
		OM for Computer, Epson
		OM for Diameter Type
		OM for Digital Light Meter
		OM for Digital Rain Gauge
		OM for DLP
		OM for DO Meter
		OM for Electric Analytical Balance
		OM for Electrophoresis
		OM for Emergency Light
		OM for Furnace, Maple
		OM for Homogenizer
		OM for Laser Jet Printer
		OM for Kymgraph
		OM for Laptop, ACER
		OM for Microtome, Rotary
		OM for OHP (ELMO)
		OM for Oven (Heraceus)
		OM for Oven (WTB Binder)
		OM for Over, Microwave (GE)
		OM for pH food Tasting
		OM for Pilz Heating Mantle
		OM for Pressure Cooker
		OM for Printer, Laser Jet
		OM for Refrigerator, Kelvinator
		OM for Respirometer
		OM for Spectrophotometer
		OM for Stereoscope with Zoom Lens
		OM for Thermostatic Water Bath
		OM for TV (JVC copied)
		OM for Windscope model 3105z
Chemistry Laboratory	1. Laboratory Manual in General Chemistry I 2. Laboratory Manual in General Chemistry II 3. Laboratory Manual in Organic Chemistry I 4. Laboratory Manual in Organic Chemistry II 5. Laboratory Manual in Biochemistry	OM for Centrifuge Damon/IEC
		OM for Distilling Apparatus (Distinction Water Still)
		OM for Eco Ph
		OM for Electronic Balance (Sartorius)
		OM for Flame Photometer
		OM for Furnace, Hot Pack Electronic Muffle
		OM for Furnace, Thermolyne (Barnstead)
		OM for High-temp Bath
		OM for Hot Stirrer, High Magmix
		OM for Melting point Apparatus
		OM for Microscope
		OM for Moisture Meter
		OM for Oven (Heraeus)
		OM for Pilz Heating Mantle
		OM for Polarimeter
		OM for Portable Electronic Balance (Ohaus)

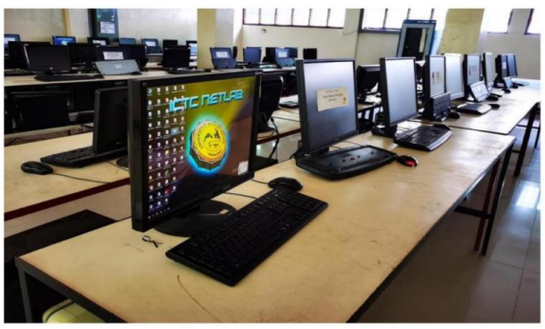
		OM for Portable Pyrometer, Thermolyne
		OM for Pressure Cooker
		OM for Refractoeter, Abbe-3L (Bausch & Lomb)
		OM for Sauter Balance
		OM for Spectrophotometer (Spetronic 23)
		OM for Thin Layer Chroatograph
Physics Laboratory	1. Laboratory Guide in Physics 212 2. Laboratory Guide in Physics 214 3. Labopratory Guide in Physics 222 4. Laboratory Guide in Physics 224	OM for Electronic Circuit
		OM for Hand Drill
		OM for Multi Tester
		OM for Press Drill
		OM for Refrigerator (Kelvinator)
		OM for Respirometer
		OM for Spectropotometer
		OM for Stereoscope with Zoom Lens
		OM for Thermostatis Water Bath
		OM for TV
Physical Education Laboratory	1. Manual for Foundation Physical Education 2. Manual for Team Sports	Policies and Guideliness

3. OUTCOMES

- Show evidences that laboratories and shops are well-equipped, functional and are conducive to learning.









Additional Evidences:

- https://drive.google.com/file/d/1No3oek2P_9Rx0QAMR2yE3xEI2bT7W1CU/view?usp=share_link
- https://drive.google.com/file/d/1JeJOniVIuijYI-InaJDfIhvOe7X96q1_/view?usp=share_link

- https://drive.google.com/file/d/1M0pFsPw77qTd6gA3eG2PQZNV3uk4Y6HT/view?usp=share_link
- https://drive.google.com/file/d/19aymtj5fXaPXkUN2uqFZJTTfUxa1A8x0/view?usp=share_link
- https://drive.google.com/file/d/1FpyFGhtitr9HEQ6G_IpZ8WZMNcTt0PTG/view?usp=share_link
- https://drive.google.com/file/d/1cf8BSo5_Y86Ta9NFvfOXUDQfZWenDXZt/view?usp=share_link
- https://drive.google.com/file/d/1IxYFgXmsMFqQ3opkX7-5Z4tnfkKlaCep/view?usp=share_link

4. BEST PRACTICES

➢ Cite as many best practices as you can on Parameter A (Laboratories, Shops and Facilities)

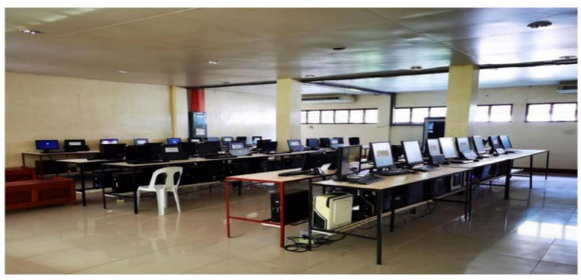
Best Practice	Evidence
Maintain a dedicated or appropriately scheduled computer laboratory with functional computers, reliable internet, a printer, and sufficient workstation for hands-on-activities. Provide software for statistical analysis, programming, numerical methods, optimization, and mathematical modeling.	● Prospectus showing the programming subjects https://drive.google.com/drive/folders/1WeLqpHEhx_47ZG8aaYUgt_EF553lJIvm?usp=share_link ● Availability of Computer (1)https://drive.google.com/file/d/1usNDzO_sfXQ15x4b-KlKgCH0A_Gviarb/view?usp=share_link (2)https://drive.google.com/file/d/1I-7oriO9Q0LSARSYXOvYojbLU0Dtiq4u/view?usp=share_link ● Condusive for Learning (1)https://drive.google.com/file/d/1I-7oriO9Q0LSARSYXOvYojbLU0Dtiq4u/view?usp=share_link (2)https://drive.google.com/file/d/1ywwNa6wl3BtXFIhiyhMzpCaXryhDN192/view?usp=share_link
Provide Suitable tools such as R, Python. Jamovi, and spreadsheet software for statistical computing, data visualization, probability, regression, and research analysis. Use actual datasets and research problems in laboratory exercises.	● Student Outputs and Performance https://drive.google.com/drive/folders/1BhPEGO4mHe8BkWT47NUlqdu0SVmxoZDH?usp=share_link ● Software Inverntory (1)https://drive.google.com/file/d/1bBFiHq3imjs8dsEC5lMO5EABAW3Z27sc/view?usp=share_link (2)https://drive.google.com/file/d/1Jjln6Z08cEECak8hkICAuksO-rUn0ZBF/view?usp=share_link
Integrate based simulations involving differential equations, numerical analysis, optimization, forecasting, and real-world systems.	● Prospectus showing the programming subjects https://drive.google.com/drive/folders/1WeLqpHEhx_47ZG8aaYUgt_EF553lJIvm?usp=share_link ● Student Outputs and Performance https://drive.google.com/drive/folders/1BhPEGO4mHe8BkWT47NUlqdu0SVmxoZDH?usp=share_link

	• Student Thesis https://drive.google.com/file/d/1iqWpgWIVmwv5-Qs9wm5Liq_tcZqQiNNw/view?usp=share_link
Arrange workstation, chairs,cables, and equipment to permit comfortable movement and unobstructed emergency access. Provide appropriate lighting, ventilation, electrical safety measures, accessibility provisions and clearly marked emergency exits.	• Laboratories, Shop, and Facilities https://drive.google.com/drive/folders/1xQIDfvnnunDI3GP2ai_LMXgPi5gU5Sjo?usp=share_link
Conduct regular inspection of computers, monitors, printer, networking equipment, electrical connections, and software installations.	• Laboratories, Shop, and Facilities https://drive.google.com/drive/folders/1xQIDfvnnunDI3GP2ai_LMXgPi5gU5Sjo?usp=share_link • Maintenance https://drive.google.com/drive/folders/1Nf5AQ6OX8m1xcfshdWd7XZSN6DznY6BQ?usp=share_link

PARAMETER B – EQUIPMENT, SUPPLIES and MATERIALS

1. SYSTEM-INPUTS AND PROCESSES

- Present in pictorial form the equipment, supplies and materials that are available in the laboratories and shops.









Additional Evidence:
https://drive.google.com/drive/folders/131fwcUVtse3TK2zRckVN__YMaIh3PD_k?usp=share_link

2. IMPLEMENTATION

- Present a record of utilization supplies and materials.





Additional Evidence:
https://drive.google.com/drive/folders/1MEl4DUGqLAIphPAniUCkRxcYin3n0IEO?usp=share_link

- List all Functional locally-improvised apparatuses.

Name of Apparatus	Brief Description	Purpose/Function	Subject Where It Is Used	Fabricator
1. Curved Track	Used to demonstrate various concept related to motion, particularly centripetal force and circular motion.	Students can observe when varying the speed of an object moving along the curve, or the radius of the curve itself how these affect the forces acting on the object.	Physics	Physics
2. Inclined Plane	The inclined plane is demonstrated by tilting a flat surface at an angle to create a ramp.	This allows students to explore concepts like work, force and friction by measuring the force needed to move and object up the incline and comparing it to lifting the object vertically.	Physics	Physics
3. Force Table	In a physics experiment using force table, the students can investigate vector addition of forces and equilibrium..	By using circular table with pulleys, weights and strings, students can explore how forces combine and balance each other to keep an object at rest. This allows the experimental determination of the resultant force produced by a combination of forces.	Physics	Physics
4. Projectile Kit	A laboratory experiment involves launching an object (like a ball) at an angle and analyzing its trajectory, which is a parabolic curve due to gravity.	It verifies the principles of projectile motion by measuring factors like launch angle, initial velocity, time of flight, and range (horizontal distance traveled). Data collected is then compared with theoretical calculations	Physics	Physics

		based on kinematics equations.		
5. Vernier Caliper	Demonstrated to measure the dimensions of object with greater precision than a standard ruler.	The experiment involves determining the least count of the vernier caliper, measuring the external and internal diameters, and potentially calculating volumes. Students learn to read both the main scale and vernier scale, account for zero error and record their observations on the table.	Physics	Physics
6. StatSelect	Online Application Tool	Used to solve descriptive and statistics problem	Statistics	Math Department

Evidence:
https://drive.google.com/file/d/1FPzqXZk9g7afWrpKP25hyzV1e4tbvhIb/view?usp=share_link

- Make an Inventory of functional equipment based on CHED minimum requirements.

Equipment	CMO-required Quantity (if available)	Supplies Available
1. Natural Sciences Laboratory (Biology, Chemistry, Physics, etc.)		
1.1 General science demonstration kit / basic apparatus	CMO 48 does not specify a minimum quantity; provide if required by curriculum or shared general-science courses.	Available
1.2 Basic measuring instruments (e.g., thermometer, measuring cylinder, balance)	No fixed quantity specified in CMO 48; determine from course activities and class size.	Available
1.3 Safety equipment (first-aid kit, goggles, gloves, fire extinguisher)	No fixed quantity specified in CMO 48; follow institutional safety and applicable laboratory rules.	Available
2. Computer Laboratory		
2.1 Desktop computers or laptops suitable for programming, statistics, numerical analysis, and modeling	CMO 48 does not state a specific number; provision should support the approved curriculum and student enrollment.	Available
2.2 Required licensed/open-source software (programming, statistics, numerical computation, spreadsheets)	No fixed quantity specified in CMO 48; ensure legal access and suitability for courses.	Available
2.3 Reliable internet/network, projector/display, and printer	No fixed quantity specified in CMO 48; recommended to support instruction and student work.	Available
3. Technology / Shop		
3.1 Basic electronics / measurement demonstration kit (if used in approved courses)	Not specifically required by CMO 48 for BS Applied Mathematics; provide only if curriculum requires.	Available
3.2 General-purpose tools and workbench (if used in approved courses)	Not specifically required by CMO 48; shared facility or partnership may be considered if needed.	Available

4. Speech		
4.1 Microphone and speaker / public-address system	No specific quantity stated in CMO 48; recommended for oral presentations and communication activities.	Available
4.2 Recording device or computer with audio-recording capability	No specific quantity stated in CMO 48; recommended/shared equipment.	Available
5. Multi-media		
5.1 Multimedia projector or large display	No specific quantity stated in CMO 48; recommended for classroom instruction.	Available
5.2 Webcam/document camera and presentation computer	No specific quantity stated in CMO 48; recommended/shared equipment.	Available
6. Others		
6.1 Whiteboard / board markers and mathematical drawing tools	No fixed quantity stated in CMO 48; provide adequate classroom instructional equipment.	Available
6.2 UPS/surge protection and backup storage for lab computers	No specific quantity stated in CMO 48; recommended for equipment protection and data security.	Available
6.3 Ergonomic student workstations, chairs, and accessible workstation provisions	No fixed quantity stated in CMO 48; provide adequate facilities appropriate to enrollment and accessibility needs.	Available

Evidence:

https://drive.google.com/drive/folders/1reNnjoQVLkbnJt1ajEupLHDkt_9nII-D?usp=share_link

3. OUTCOMES

- Show evidences that laboratory equipment, supplies and materials are sufficient and wisely utilized.





Evidence:

https://drive.google.com/drive/folders/1reNnjoQVLkbnJt1ajEupLHDkt_9nII-D?usp=share_link

4. BEST PRACTICES

- Cite as many best practices as you can on Parameter B (Equipment, Supplies and Materials)
  - Maintain updated inventory of computers, printers, calculators, projectors, and other instructional materials needed for Applied mathematics subjects.
  - Implement a scheduled preventive maintenance program to ensure that computers, printers, calculators, and other instructional equipment remain functional.
  - Implement a systematic distribution, monitoring, and replenishment process for laboratory supplies and instructional materials. Encourage the responsible use of resources during statistical analysis, mathematical modeling, numerical computation and research activities.

Evidence:

https://drive.google.com/drive/folders/1reNnjoQVLkbnJt1ajEupLHDkt_9nII-D?usp=share_link

PARAMETER C – MAINTENANCE

1. SYSTEM-INPUTS AND PROCESSES

- Present the staff profile assigned in the proper upkeep of the laboratory.



VERGIE J. SEBASTIAN

Date of Birth : February 29, 1980 Sex : Female

Place of Birth : Poblacion, Kabacan, Cotabato Civil Status : Married

Contact Number : 09124127410

EDUCATIONAL BACKGROUND

Primary : Kabacan Wesleyan Academy 1986-1987

Elementary : USM Annex Elementary School 1987-1993

Secondary : University Laboratory School 1993-1997

Tertiary : Bachelor of Elementary Education

University of Southern Mindanao 1997-2001

BIOLOGY LABORATORY STAFF

SAMUEL A. CALUYAN

Date of Birth: September 25, 1976 Sex: Male

Place of Birth: Upper Suyan, Malapatan Sarangani Province Civil Status: Married

Contact Number: 09305597227

EDUCATIONAL BACKGROUND

Elementary: Malapatan Central Elementary School 1988-1992

Secondary: Malapatan National High School 1992-1995

Tertiary: BS Agriculture

University of Southern Mindanao 2006

CHEMISTRY LABORATORY STAFF

BELEN E. ESMEJARDA Sex: Female

Date of Birth: February 19, 1980

Place of Birth: Limuhay, Bagumbayan, Sultan Kudarat

Contact Number: 09085034067

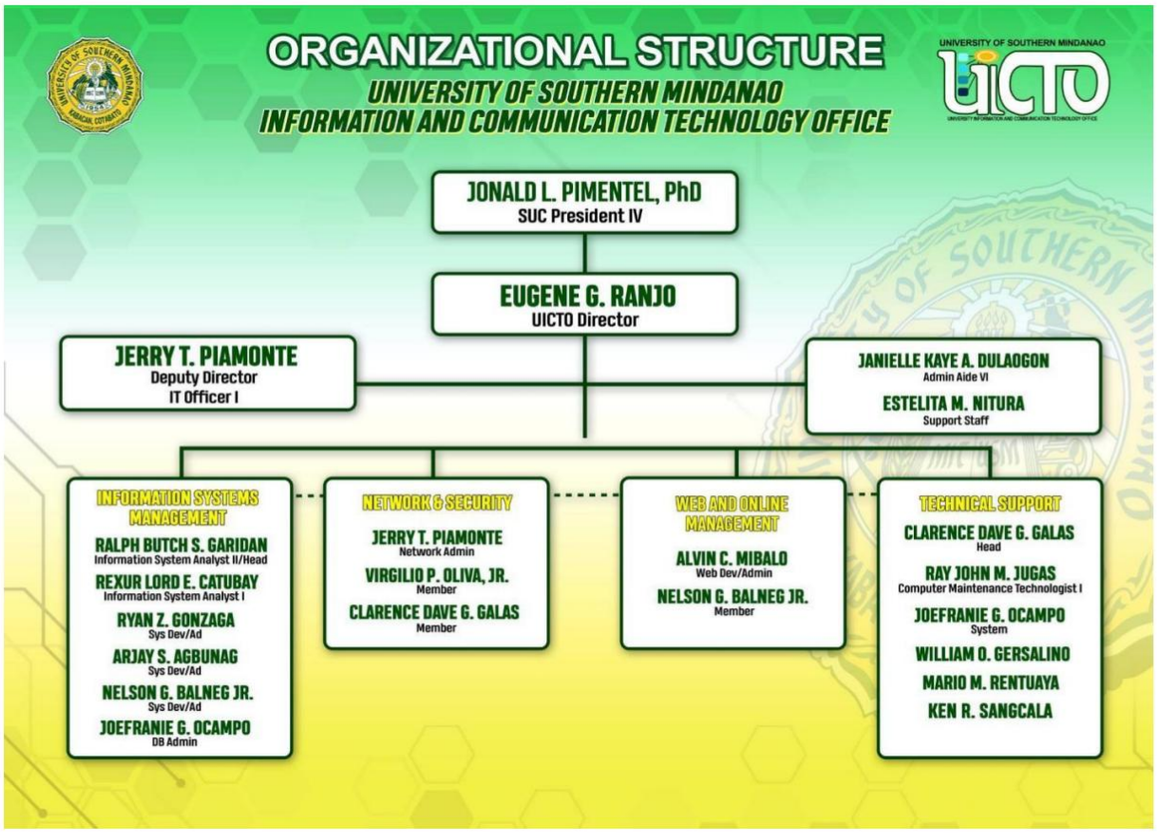
EDUCATIONAL BACKGROUND

Elementary: Gapok Elementary School 1990-1992

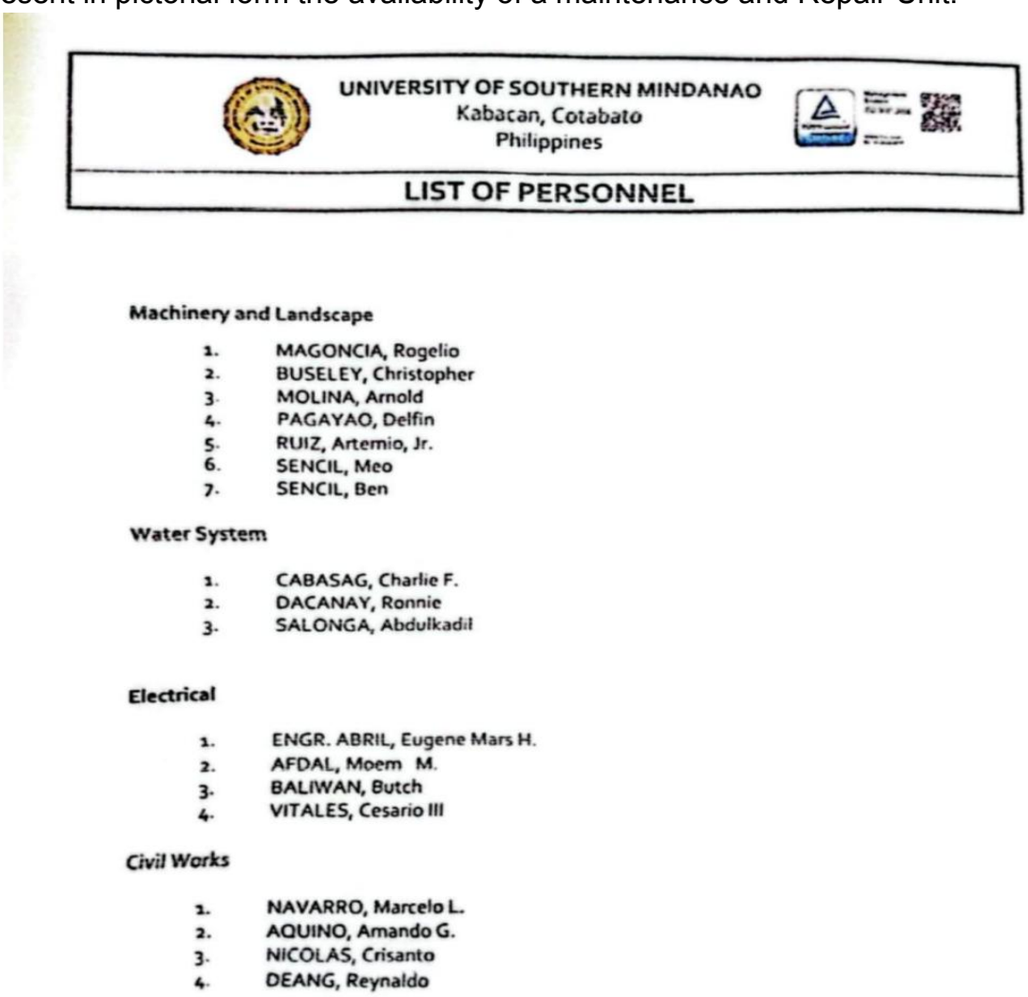
Secondary: Notre Dame of Esperanza 1992-1996

Tertiary: BS Chemistry

University of Southern Mindanao 1997-2001



- Present in pictorial form the availability of a maintenance and Repair Unit.



UNIVERSITY OF SOUTHERN MINDANAO
Kabacan, Cotabato
Philippines

LIST OF PERSONNEL

Machinery and Landscape

1. MAGONCIA, Rogelio
2. BUSELEY, Christopher
3. MOLINA, Arnold
4. PAGAYAO, Delfin
5. RUIZ, Artemio, Jr.
6. SENCIL, Meo
7. SENCIL, Ben

Water System

1. CABASAG, Charlie F.
2. DACANAY, Ronnie
3. SALONGA, Abdulkadil

Electrical

1. ENGR. ABRIL, Eugene Mars H.
2. AFDAL, Moem M.
3. BALIWAN, Butch
4. VITALES, Cesario III

Civil Works

1. NAVARRO, Marcelo L.
2. AQUINO, Amando G.
3. NICOLAS, Crisanto
4. DEANG, Reynaldo

Composition of the maintenance and repair unit

	LegalName	Designation	OfficeAssgn	ReportFormat
1	JOSHUA OMAR B. BALANGUE	Audio-Visual Equipment Operator	UPRIO	Contract COS NT
2	ARAVILA Q. DEMON	Audio-Visual Media Producer	UMPC	Contract COS NT
3	ALEJO M. NICOLAS	Carpenter	GSO - Civil Works Section	Contract COS NT
4	ARNEL L. DAOILE	Carpenter	GSO - Civil Works Section	Contract COS NT
5	EFREN A. NARCISO	Carpenter	GSO - Civil Works Section	Contract COS NT
6	JERRY BINATAK	Carpenter	GSO - Civil Works Section	Contract COS NT
7	ROWEL E. BALERA SR.	Carpenter	GSO - Civil Works Section	Contract COS NT
8	SANDER T. MAPANAO	Carpenter	GSO - Civil Works Section	Contract COS NT
9	JAMELA A. SUMANGKONG	DCE Laboratory Aide	CEIT	Contract COS NT
10	GHANY MHAR G. ATIH	DCLIS Laboratory Aide	CEIT	Contract COS NT
11	DESIRIE V. OTAÑES	DCPE Laboratory Aide	CEIT	Contract COS NT
12	LOUREIN ANNE N. ANTONIO	DCPE Laboratory Aide	CEIT	Contract COS NT
13	DESIRIE V. OTAÑES	DCpE/DECE Lab Aide	CEIT	Contract COS NT
15	MCKIENLIE A. RIVERA	Electrician	GSO - Electrical Section	Contract COS NT
17	ROLAND B. YAGONG	Electrician	GSO - Electrical Section	Contract COS NT
19	REYNALDO B. DEANG	Electronic Technician	GSO - Electrical Section	Contract COS NT
20	ELNORA L. FLORES	Laboratory Aide	PICRI/FPIC (Food Processing and Innovation Center) USMARC	Contract COS NT
21	ALPIE B. RECAPENTE	Laboratory Aide	HM Laboratory	Contract COS NT
22	ANGELO G. MORTERA	Laboratory Aide	PRTC	Contract COS NT
23	DHELIAFE A. BAYAM	Laboratory Aide	USM, Biotech Office	Contract COS NT
24	EVONIE MAE B. SANCHEZ	Laboratory Aide	CHS	Contract COS NT

25	FRENCHILLE ROSE V. CAUNDA	Laboratory Aide	CSM - Bio Dept.	Contract COS NT
26	GHANY MHAR G. ATIH	Laboratory Aide	CEIT - DCLIS	Contract COS NT
27	KIM JOHN A. BONETE	Laboratory Aide	USMARDC	Contract COS NT
28	MARY GRACE M. DAGOPLO	Laboratory Aide	Chemistry Central Laboratory	Contract COS NT
29	MICHAEL T. JORDAN	Laboratory Aide	Chefs	Contract COS NT
30	ROZEN G. PECHO	Laboratory Aide	PRTC	Contract COS NT
31	RUBE GEM B. RUFINO	Laboratory Aide	Chemistry Central Laboratory	Contract COS NT
32	SANSHINE O. LACSAO	Laboratory Aide	USMARDC	Contract COS NT
33	VIRGIE J. SEBASTIAN	Laboratory Aide	Physics Laboratory	Contract COS NT
34	LOUREIN ANNE N. ANTONIO	Laboratory Aide	CEIT	Contract COS NT
35	FERDINAND C. MAÑEBOG	Laboratory Aide	College of Medicine	Contract COS NT
36	SAMUEL A. CALUYAN	Laboratory Assistant	Biological Sciences Dept., CSM	Contract COS NT
37	BAIREN M. MAMALAGIA	Laboratory Teaching Assistant	College of Medicine	Contract COS NT
38	MUTAN M. SENCIL	Laboratory Technician	PRTC	Contract COS NT
39	JAMES CARL P. CORDERO	Law School Utility	College of Law	Contract COS NT
40	JAY LORD L. VILLANUEVA	Law School Utility	College of Law	Contract COS NT
41	MARK ANTHONY A. MAPANDI	Law School Utility	College of Law	Contract COS NT
42	LEONARDO J. AGRAVE	Print Media Technician	UMPC	Contract COS NT
43	KEN R. SANGCALA	Technical Support	UICTO	Contract COS NT
44	MARIO M. RENTUAYA	Technical Support	UICTO	Contract COS NT
45	WILLIAM O. GERSALINO	Technical Support	UICTO	Contract COS NT
46	KEN R. SANGCALA	Technical Support Staff	UICTO	Contract COS NT
47	MARIO M. RENTUAYA	Technical Support Staff	UICTO	Contract COS NT

48	WILLIAM O. GERSALINO	Technical Support Staff	UICTO	Contract COS NT
49	NASRUDIN L. ABAS	Technician	DXVL	Contract COS NT
50	ABDUL JAJI	Utility Worker	CSM	Contract COS NT
51	ABDULBASSIT S. SAINODIN	Utility Worker	IMEAS	Contract COS NT
52	ALFREDO G. LOGRONIO JR.	Utility Worker	CBDEM	Contract COS NT
53	ANNIE Y. LABORDO	Utility Worker	Presidential Cottage	Contract COS NT
54	AQUILINO D. CALVO, JR.	Utility Worker	HVCFPC	Contract COS NT
55	ARLEN B. MAGBANUA	Utility Worker	WOMEN'S DORM	Contract COS NT
56	ARNEL G. CANSECO	Utility Worker	College of Education	Contract COS NT
57	ASNA U. DALANDA	Utility Worker	CHS	Contract COS NT
58	BEN W. SENCIL	Utility Worker	GSO - Ground Maintenance and Water System Section	Contract COS NT
59	BENNY B. SALINGKA	Utility Worker	CBDEM	Contract COS NT
60	CRISTINO L. PAGAYAO	Utility Worker	CHS	Contract COS NT
61	DANILO M. ELIPIAN JR.	Utility Worker	USG	Contract COS NT
62	DATU JOEL S. SULTAN	Utility Worker	USMARDC	Contract COS NT
63	DODOY D. BULAHING	Utility Worker	CHS	Contract COS NT
64	EDUARDO M. DURAN	Utility Worker	S&T Building	Contract COS NT
65	ERIC MARATAS	Utility Worker	Chefs	Contract COS NT
66	FLORANTE L. PAREJA	Utility Worker	Men's Dormitory	Contract COS NT
67	FRANCIS S. PANANSALAN	Utility Worker	CVM Main Building	Contract COS NT
68	FRED D. VERGARA	Utility Worker	Women's Dorm	Contract COS NT
69	GIERIC S. ESPARAGOZA	Utility Worker	CASS	Contract COS NT
70	GLENY C. JANANI	Utility Worker	CASS	Contract COS NT

71	HAVABE C. LIMBO	Utility Worker	CBDEM	Contract COS NT
72	JAIME L. ESTIMO JR.	Utility Worker	CTI	Contract COS NT
73	JASCHA B. BALIWAN	Utility Worker	CSM - 1st floor Right wing and Right back	Contract COS NT
74	JEANNY FE C. MOLINA	Utility Worker	Guest House	Contract COS NT
75	JESSIE O. MAGBANUA, JR.	Utility Worker	CSM	Contract COS NT
76	JOHAIDEN C. SOLAIMAN	Utility Worker	USMARDC	Contract COS NT
77	JOHN CESAR S. CASTILLO	Utility Worker	BDC - Men's Dorm	Contract COS NT
78	JOLCAREM S. SOLAIMAN	Utility Worker	ISPEAR	Contract COS NT
79	JONNY BOY VILLO	Utility Worker	CASS	Contract COS NT
80	JOPEL GATCHALIAN	Utility Worker	College of Medicine 3rd Floor	Contract COS NT
81	JOSE N. AGLUTAY JR.	Utility Worker	CVM Academic Building	Contract COS NT
82	JUNE L. PINANTAO	Utility Worker	GSO - Ground Maintenance and Water System Section	Contract COS NT
83	JUSTIN M. DUMACON	Utility Worker	College of Medicine 2nd Floor	Contract COS NT
84	LYBERT S. TAGBO	Utility Worker	College of Agriculture	Contract COS NT
85	MARIELO M. BUCANG	Utility Worker	College of Education	Contract COS NT
86	MARIO D. BULAHING	Utility Worker	GSO - Ground Maintenance and Water System Section	Contract COS NT
87	MARLON GUIAMEL	Utility Worker	ULS	Contract COS NT
88	MARY GRACE R. MARTIZANO	Utility Worker	CASS	Contract COS NT
89	MEO W. SENCIL	Utility Worker	GSO - Ground Maintenance and Water System Section	Contract COS NT
90	MOHAMAD M. BALAYMAN	Utility Worker	College of Medicine 1st Floor	Contract COS NT
91	MOJAMID D. SENCIL	Utility Worker	College of Education	Contract COS NT
93	MOSANIP LINGGADINGAN	Utility Worker	USMARDC	Contract COS NT

94	NASRODIN L. WAGIA	Utility Worker	ULS	Contract COS NT
95	PANTALEON P. SALINAS	Utility Worker	CEIT	Contract COS NT
96	RADZMER JAJI	Utility Worker	CSM	Contract COS NT
97	RAHIB K. SAMPULNA	Utility Worker	CEIT	Contract COS NT
98	RASUL D. BALAYMAN	Utility Worker	ISPEAR	Contract COS NT
99	REAGAN J. ATIENZA	Utility Worker	Graduate School	Contract COS NT
100	RENANTE D. ONTULAN	Utility Worker	HRM Building	Contract COS NT
101	REXAM P. PITOGO	Utility Worker	Admin Building	Contract COS NT
102	REYNALDO M. APIADO	Utility Worker		Contract COS NT
103	RODOLFO C. DERECHO	Utility Worker	WOMEN'S DORM	Contract COS NT
104	ROEL AVENA	Utility Worker	CEIT	Contract COS NT
105	ROMEO COMAÑA	Utility Worker	ISPEAR	Contract COS NT
106	ROMULO M. RECONA, SR.	Utility Worker	CA Annex	Contract COS NT
107	ROY M. ESPARAGOZA	Utility Worker	ISPEAR	Contract COS NT
108	RYAN C. EDER	Utility Worker	Counseling and Career Department	Contract COS NT
109	SAHID N. MANAGAY	Utility Worker	Graduate School	Contract COS NT
110	SAMMY D. KADINGILAN	Utility Worker	CVM Annex Building	Contract COS NT
111	SAMSUDIN M. WAGIA	Utility Worker	KEPLRC	Contract COS NT
112	TAKILID M. ANTAGAN	Utility Worker	IMEAS Old Building	Contract COS NT
113	TATO S. PANGA	Utility Worker	2nd Floor COM	Contract COS NT
114	TEODORICO JR. B. LEONILLO	Utility Worker	Graduate School	Contract COS NT
115	WARREN C. BANGCAS	Utility Worker	KEPLRC	Contract COS NT
116	YASSER M. GUIADEL	Utility Worker	Buluan Campus	Contract COS NT
117	YUSOP A. BATUA	Utility Worker	CBDEM	Contract COS NT

2. IMPLEMENTATION

- Describe briefly the maintenance system of the laboratories and equipment

The University of Southern Mindanao (USM) maintains its laboratory facilities and equipment through regular inspection, preventive maintenance, timely repairs, and systematic inventory management. Laboratory custodians, technicians, and concerned personnel help ensure that laboratories remain clean, safe, organized, and functional. Defective equipment is reported to appropriate maintenance unit for necessary repair. Equipment and instruments are periodically checked and calibrated, while consumable supplies are replenished as needed. Maintenance activities, equipment inventories, and repair requests are documented to support accountability, efficient resource utilization, and compliance with accreditation requirement.

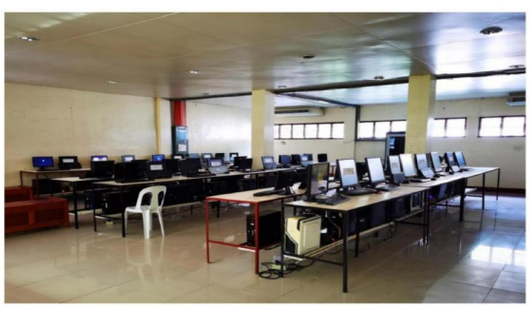
- List all Safety devices available

Laboratory	Safety Device
Natural Sciences Laboratory	Fire extinguisher suitable for the laboratory hazards
	First-aid kit
	Emergency eyewash station / eyewash bottle, as appropriate
	Emergency safety shower, where corrosive chemical risks require it
	Chemical spill-control kit and absorbent materials
	Personal protective equipment (goggles, lab coats, gloves, face shields as needed)
	Fume hood / local exhaust ventilation, where hazardous vapors are used
	Chemical-resistant storage cabinet and hazard labels
	Biohazard/sharps containers and disinfectants, if biological work requires them
Computer Laboratory	Fire extinguisher suitable for electrical equipment
	First-aid kit
	Smoke detector / fire alarm and emergency exit signs
	Surge protectors and UPS units, where provided
	Cable covers and organized cable management to prevent trips
	Clearly identified electrical panel / emergency power shutoff
Technology / Shop	Fire extinguisher suitable for equipment and materials present

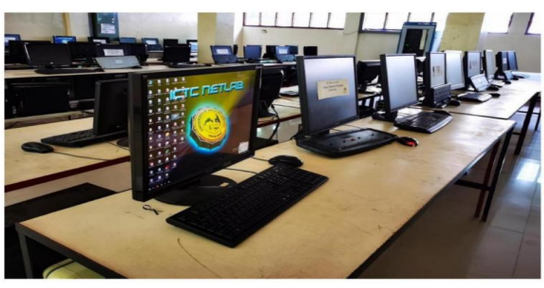
	First-aid kit
	Safety goggles, gloves, hearing protection, and protective footwear as needed
	Lockout/tagout devices for equipment servicing, where applicable
Speech Laboratory	Fire extinguisher and fire alarm / smoke detector
	First-aid kit
	Clearly marked emergency exits and evacuation instructions
Multimedia Laboratory	Fire extinguisher suitable for electrical equipment
	First-aid kit
	Cable covers and safe cable management
	Surge protection / UPS units, where provided
General / Shared Facilities	Emergency exit signs and evacuation route map
	Emergency lighting
	Emergency contact numbers and incident-reporting instructions
	Fire alarm / manual call point, where installed
	Safety signs and task-appropriate personal protective equipment

3. OUTCOMES

- Show evidences that the laboratories that the laboratories and shops are functional and are properly maintained.









Eveidence:

- https://drive.google.com/drive/folders/1Nf5AQ6OX8m1xcfshdWd7XZSN6DznY6BQ?usp=share_link
- https://drive.google.com/drive/folders/1reNnjoQVLkbnJt1ajEupLHDkt_9nII-D?usp=share_link

4. BEST PRACTICES

- Cite as many best practices as you can on Parameter C (Maintenance).
    - Assign a laboratory custodian or technician responsible for the daily upkeep, organization, and monitoring of the Applied Mathematics computer laboratory. Coordinate with the institution's ICT and Maintenance and Repair Unit for technical assistance, troubleshooting, and equipment repairs.
    - Implement daily cleaning and periodic preventive maintenance of computer workstations, printers, projectors, furniture, electrical connections, and other laboratory facilities. Use a maintenance checklist to ensure a clean, orderly, safe, and functional learning environment.
    - Maintain an updated inventory of laboratory computers, calculators, printers, projectors, networking devices, and instructional equipment. Assign unique property codes, record equipment condition and location, and conduct periodic physical inventory to identify missing, damaged, obsolete, or underutilized resources.
    - Establish a system for reporting defective equipment, replenishing consumable supplies, and replacing damaged materials. Arrange calibration or accuracy verification for measuring instruments whenever applicable. For Applied Mathematics, prioritize functional computing equipment, calculators, and software; calibration is relevant only to instruments that require it.

Evidence:
https://drive.google.com/drive/folders/1Nf5AQ6OX8m1xcfshdWd7XZSN6DznY6BQ?usp=share_link

PARAMETER D – SPECIAL PROVISIONS

1. SYSTEM-INPUTS AND PROCESSES

- Describe specific program requirements in accordance with policies/guidelines, CMO's and other legal issuances.

The BS Applied Mathematics program shall comply with the policies, standards, and guidelines prescribed by the Commission on Higher Education (CHED), applicable university policies, and relevant national laws and regulations. The program shall ensure that its curriculum, faculty qualifications, instructional facilities, learning resources, research activities, and student support services are aligned with the required program outcomes and quality assurance standards.

- Present the approved Project Procurement Management Plan (PPMP); Annual Procurement Plan where the laboratory equipment is listed for procurement.

S.2. There is an approved Procurement Program Management Plan (PPMP).



APP-CSE 2024 FORM

ANNUAL PROCUREMENT PLAN - COMMOM-USE SUPPLIES AND EQUIPMENT (APP-CSE) 2024 FORM

FUND 05 - TUITION

Introduction:

This form contains the common-use supplies and equipment (CSE) carried in stock by the Procurement Service – Department of Budget and Management (PS-DBM) that may be purchased by government agencies. Consistent with the DBM Circular No. 2018-10 dated 08 November 2018, the APP-CSE shall serve as the agency's annual procurement request for all its CSE requirements. Only agencies with uploaded APP-CSE in the Virtual Store will be able to purchase CSE from the PS-DBM. Note that the items listed on this form have been arranged in accordance with the United Nations Standard Products and Services Code (UNSPSC) in preparation for integration of the APP-CSE template in the Modernized Government Electronic Procurement System (MGEPS).

Reminders:

1.0 The APP-CSE form must be accomplished using Microsoft Excel format. The APP-CSE shall be deemed incorrect or invalid if the form used is other than the prescribed format which is downloadable from the Virtual Store.

2.0 All information must be provided accurately.

3.0 Kindly refer to the CSE catalogue on the PS-DBM website (www.ps-philgeps.gov.ph) for the detailed technical specifications and sample photo of the items.

4.0 Do not delete, add, or revise any items or rows on the PART I of this template otherwise the form will be deemed invalid.

5.0 Additional rows for other items may be inserted in PART II, if necessary. Note that this is only applicable in the PART II of the form.

6.0 Once signed and approved by the Property/Supply Officer, Accountant/Budget Officer, and Head of the Agency/Office, kindly upload the soft copy of the APP-CSE in Microsoft Excel format as well as the original signed copy in Portable Document Format (PDF) to the agency's Virtual Store account on or before the prescribed period or deadline. Any APP-CSE form that is unsigned or has incomplete signature shall be deemed invalid.

7.0 Should there be changes in the agency's CSE requirements, the agency may edit their uploaded APP-CSE directly on their Virtual Store account. However, the agency must ensure that a signed and approved copy of the supplemental APP-CSE form is available. Note that all CSE requirements in excess of the quantities indicated in the original APP-CSE form will not be served if not covered by a supplemental APP-CSE.

8.0 For further assistance or clarification, agencies may contact the Marketing and Sales Division of PS-DBM through its mobile numbers 09182654426 or 09278478245, or email appcse.helpdesk@ps-philgeps.gov.ph, or visit the PS-DBM website (www.ps-philgeps.gov.ph) for the guide on how to fill-out the APP-CSE.

Note: Consistent with the Memorandum Circular 2022-1 issued by the AO 25 dated _____, the APP-CSE for FY 2024 must be submitted on or before 31 August 2023.

Department/Bureau/Office: SUC
Region: Region XII
Address: Kabacan North Cotabato
Agency Code/UACS:
Organization Type: SUC
Contact Person: Dr. Elmer Estilloso
Position: Vice Pres. For Administration and Finance
E-mail: bacoffice@usm.edu.ph
Telephone/Mobile Nos: 0968-531-1153

Detailed PPMP Evidence:
https://drive.google.com/file/d/1z0cVKdER1UnuODbaDc7ln5xbHXhZwQGx/view?usp=share_link

2. IMPLEMENTATION

- Present evidences that the laboratory equipment, supplies and materials are procured in accordance with RA 9184

Evidence:
https://drive.google.com/drive/folders/1pISAtDm4t_fFWbAOVUF8TgFMQBuWgrJ_?usp=share_link

3. OUTCOMES

- Show evidences that the special provisions in the CMO of the program are complied with

Evidence:
https://drive.google.com/file/d/1C0etXYtKTZ8WssfZ5HkX7hMqaCsKrfDj/view?usp=share_link

4. BEST PRACTICES

- Cite as many best practices as you can on Parameter D (Special Provisions)

  - Require the program or responsible academic unit to prepare and submit a PPMP identifying the laboratory equipment, software, supplies, and materials needed for instruction, research, and laboratory operations. Include specifications, quantities, estimated costs, schedules, and justifications based on documented needs.
  - Conduct an annual assessment of the condition and adequacy of computers, printers, calculators, mathematical software, multimedia equipment, and other instructional resources. Use the results to prepare the laboratory-related Annual Procurement Plan (APP) in coordination with the institution's procurement and budget offices.
  - Ensure that purchased equipment, software, supplies, and materials meet the approved technical specifications and intended instructional purposes. Coordinate inspection, acceptance, property recording, and software license verification with the authorized institutional offices in accordance with applicable procurement rules.

5. EXTENT of COMPLIANCE with the Team Recommendations for Area IX – Laboratories in the last Survey Visit.

- Present the status of Compliance Matrix of Area IX focusing on interventions done on the recommendations

  https://drive.google.com/file/d/1nu36Ky0WhNII7JKFHOaWXwkSASoGbdCo/view?usp=share_link

- Present the Summary of Findings and Recommendations for Area IX (Laboratories) during the _____ (Preliminary, 1st Survey, 2nd Survey, 3rd Survey, or 4th Survey) in terms of;

  1. Strengths
  2. Areas Needing Improvement
  3. Recommendations
  4. Present the Summary of Ratings on the quantitative assessment on Area VIII

     https://drive.google.com/file/d/1_H_QY0tErt97XVDOs8nQwvtxJ-vBWW94/view?usp=share_link