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 III

Curriculum and Instructiton

IMPLEMENTATION

I.1. The students are regularly informed of the academic requirements of their respective courses.

Republic of the Philippines

UNIVERSITY OF SOUTHERN MINDANAO

Kabacan, North Cotabato

BACHELOR OF SCIENCE IN APPLIED MATHEMATICS

2021-2022 2ND SEMESTER

SubjectCode	Subject Title	Units	Lec	Lab	Class Schedule/Room	Faculty
1 BSAM - A						
Bio 113	General Biology	2.0	1.0	3.0	T 09:00 AM - 11:00 AM (CSM Bldg. - 102) Th 09:00 AM - 12:00 PM (CSM Bldg. - 216)	Rubio, Meriam M.
CS 127	Fundamentals of Computing II	2.0	1.0	3.0	W 07:00 AM - 09:00 AM (CE - 11) W 09:00 AM - 12:00 PM (CE - 11)	Flores, Danilyn A.
Lit 111A	Literatures of the Philippines	3.0		3.0	TTh 01:00 PM - 02:30 PM (CSM Bldg. - 101)	Dela, Michael D.
Math 122b	Calculus II	4.0		4.0	TTh 07:00 AM - 09:00 AM (CSM Bldg. - 101)	Benjamin, Philip Lester P.
NSTP 2 A	Civic Welfare Training Service II	3.0		3.0	F 07:00 AM - 12:00 PM (GYM)	Java, Virus P.
NSTP 2 B	Reserved Officers Training Corps II	3.0		3.0	F 07:00 AM - 12:00 PM (GYM)	Macatabog, Radji A.
PE 2	Rhythmic Activities	2.0		2.0	M 07:00 AM - 09:00 AM (GYM)	Java, Virus P.
Phys 221 L	General Physics I Lab		1.0	1.0	W 01:00 PM - 04:00 PM (CSM Bldg. - 111)	Noguera, Jelly Grace B.
Phys 221c	General Physics I	3.0		3.0	M 01:00 PM - 04:00 PM (CSM Bldg. - 113)	Noguera, Jelly Grace B.
Soc Sci 1	Society and Culture	3.0		3.0	TTh 02:30 PM - 04:00 PM (CSM Bldg. - 101)	Java, Virus P.
		Total:	25.0	3.0	28.00	
2 BSAM - A						
Chem 223b	Inorganic Analytical Chemistry	3.0	2.0	5.0	MW 07:00 AM - 08:30 AM (CSM Bldg. - 201) MW 09:00 AM - 12:00 PM (CSM Bldg. - 204)	Sequia, Zygote He
GE 7	Science, Technology and Society	3.0		3.0	TTh 02:30 PM - 04:00 PM (CSM Bldg. - 102)	Rubio, Meriam M.
Math 221a	Differential Equations I	3.0		3.0	TTh 07:00 AM - 08:30 AM (CSM Bldg. - 102)	Toledo, Amel B.
Math 222b	Linear Algebra	3.0		3.0	TTh 04:00 PM - 05:30 PM (CSM Bldg. - 102)	Yabes, Lawton John A.
Math 223c	Probability	3.0		3.0	TTh 10:00 AM - 11:30 AM (CSM Bldg. - 102)	Pimentel, Jonald L.
PE 4	Team Sports	2.0		2.0	W 03:00 PM - 05:00 PM (GYM)	Esconia, Joanna Caryl P.
Soc Sci 2	Peace and Development	3.0		3.0	TTh 08:30 AM - 10:00 AM (CSM Bldg. - 102)	Tabara, Rizapor
		Total:	20.0	2.0	22.00	

I.2. The College/Academic Unit implements the system for student returnees and transferees to meet the residence and other graduation requirements.

REPUBLIC OF THE PHILIPPINES
UNIVERSITY OF SOUTHERN MINDANAO
Kabacan, Cotabato

OFFICE OF STUDENT AFFAIRS

STUDENT MANUAL with SUPPLEMENTAL GUIDELINES

August 2022

Article 205. Other Enrollment Privileges

Section 1. The University may extend free University fees and financial subsidies or its equivalent, subject to the availability of funds thereof, as grant-in-aid to poor and deserving college students belonging to the Cultural/Indigenous People's Communities, which may be renewed every semester, provided, that the grantee has passed all his/her subjects and/or other requirements in the preceding semester. The grantees shall be required to present the Income Tax Return (ITR) of their parents or its equivalent, indicating their names as tax-exempt individuals.

Section 2. The following undergraduate students shall be granted free regular university fees as stipulated in Section 1.a, Article 193 of Chapter 55, namely, subject to retention policies:

a. Members of the USM Band, Combo, Dance Troupe, Dramatics, Chorale and Art Groups;
b. Legitimate, dependent, children, 21 years and below of USM permanent employees, in line with the implementation of the K-12 program;
c. Natural and legally adopted children, 21 years and below, and spouse of USM permanent employees, who died while in the service of the University;
d. Members of the USM varsity as certified by competent University Authority;
e. Grantees of educational benefits under the Armed Forces of the Philippines – Presidential Decree (AFP-PD) 557;
f. Grantees of educational benefits from recognized Government and Non-government organizations/agencies;
g. President of the University Student Government (USG), Governors of the Local Student Government (LSG) and the Editor-in-Chief of the Mindanao Tech and Corp Commander of ROTC during their tenure of office;
h. Qualified USM employees on their first program.

Section 3. Other scholarships sponsored by external donors shall be governed by the Memorandum of Agreement between USM and the sponsor.

Article 206. Consolidation of Scholarships and Grants-in Aid Privileges

Section 1. A recipient of more than one university scholarship is entitled to only one scholarship privilege of his choice.

Section 2. A student who qualifies in both externally funded scholarship and Academic Award Scholarship is entitled to both of the privileges thereto.

CHAPTER 59
ACADEMIC DELINQUENCY AND RESIDENCY

Article 207. Academic Delinquency

Section 1. Categories of academic delinquencies are as follows:

a. **Warning**. Any student, who, at the end of the semester, obtains final grades below "3" in 25 percent to 49 percent of the total number of academic units for which he/she is registered, shall receive a warning from the Director of the Admission and Records Office and be subjected to appropriate academic follow-up by the College Guidance Coordinator. However, he/she may enroll the normal load as specified in his/her curriculum except for prerequisite subjects where he/she has failed.
b. **Probation.** The academic status of a student, who is under PROBATION for a particular Semester, can be improved by enrolling and earning passing marks during summer, provided, that he/she shall not exceed nine (9) units load during the summer term.
c. **Debarred.** Any student who obtains failing grades in 75 percent (75%) or more of his/her academic load shall be debarred from the University and be advised to rest for one (1) year. Any student debarred for the second time shall not be eligible for readmission to the University.

Section 2. Notice of delinquencies and learning intervention shall be employed prior to the effectual of any delinquency category stipulated in the preceding section.

Section 3. Units earned by debarred students from other schools during the period of their debarment shall not be credited. However, enrolment in a non-degree program in the University may be allowed.

Article 208. Residency

Section 1. Residency shall mean the maximum number of years required of a student to finish his/her program.

Section 2. The residency period for baccalaureate programs shall be computed by multiplying the required curricular years for a given program by a factor of 1.5. However, a student may choose to remain in the University beyond his/her residency by applying for re-admission, provided that he/she has to re-enroll all major courses of the latest curriculum under his program.

Section 3. The residency period for the master's degree program shall be five (5) academic years excluding leave of absence of not more than two (2) years. However, a student may choose to remain in the Graduate School beyond his/her residency by applying for re-admission, provided that the student shall be required to take three (3) additional units for every year of extension or a fraction thereof.

Section 4. The residency period for the doctorate degree program shall be seven (7) academic years excluding leave of absence of not more than two (2) years. However, a student may choose to remain in the Graduate School beyond his/her residency by applying for re-admission, provided that the student shall be required to take six (6) additional units for every year of extension or a fraction thereof.

CHAPTER 60
LEAVE OF ABSENCE AND HONORABLE DISMISSAL

Article 209. Leave of Absence

Section 1. Leave of Absence (LOA) refers to an official deferment of study, which shall be excluded from the computation of the student's residency, which shall be filed prior to the intended period of absence but not during or within the semester while the student is enrolled, in which case, he/she may instead apply for withdrawal or dropping of courses.

Section 2. Submitted and approved LOA Petition within the semestral period shall only apply on the immediate following semester and the succeeding semesters thereof.

Section 3. Prolonged leave of absence shall require the submission of a LOA Petition Form to be recommended by the Dean, and approved by the Vice President for Academic Affairs stating the reason for which the leave is desired and specifying the period of the leave. Approved leave of absence should not exceed three (3) cumulative years.

Section 4. LOA may be approved provided that:

a. the reasons are meritorious such as, but not limited to, pregnancy, sickness, and financial constraints/problem;
b. the student provides all the necessary documents justifying his/her petition; and
c. the concerned Dean has recommended and submitted the LOA Petition Form to the VPAA.

Article 210. Issuance of Honorable Dismissal

Section 1. A student who desires to leave the University, shall accomplish and submit the prescribed Separation Clearance to the Admission and Records Office for the issuance of Honorable Dismissal / Certificate of Transfer.

Section 2. The Admission and Records Office shall not issue Honorable Dismissal/Certificate of Transfer and Transcript of Records to those students who are still undergoing disciplinary action.

CHAPTER 61
GRADUATION

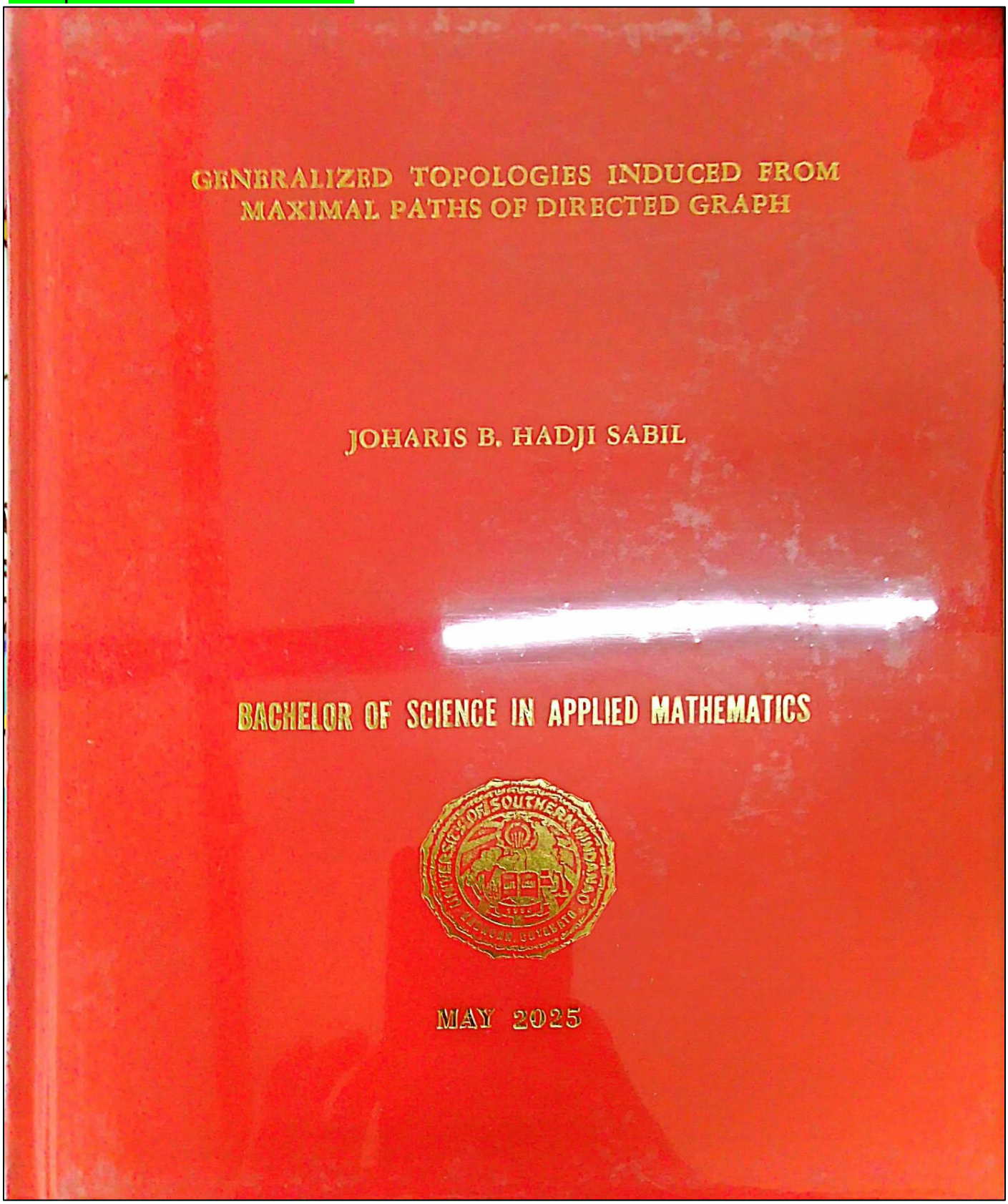
Article 211. Graduation Requirements

Section 1. No student shall be recommended for graduation unless he/she has complied with all academic and other requirements for graduation.

Section 2. The Director of the Admission and Records Office shall prepare the tentative list of candidates for graduation before the enrolment for the second semester of the school year. In consultation with the college program evaluator, the Director shall examine the academic record of each listed candidate to ascertain if he/she has any deficiency or whether all other requirements for graduation have been satisfactorily fulfilled. In the case of deficiencies, the Director through the Vice President for Academic Affairs shall notify the concerned Deans of the deficiencies of their students. With the approval of the Vice President for Academic Affairs, the Director shall publish the complete list of prospective candidates for graduation one semester before graduation.

I.3. Graduating students conduct research and/or undergo practicum/OJT or other activities prescribed in their respective curricula.

Sample of students' research



PERFECT DOMINATING SETS IN THE JOIN OF GRAPHS

SAMRA E. LIDASAN

BACHELOR OF SCIENCE IN APPLIED MATHEMATICS

MAY 2025

ON THE CALIBRATION OF ITEM PARAMETERS CHARACTERISTICS OF THE UNIVERSITY OF SOUTHERN MINDANAO COLLEGE ENTRANCE EXAM USING IRT MODEL: A CASE FOR MATHEMATICS ITEMS

JALANIE T. MATULIK

BACHELOR OF SCIENCE IN APPLIED MATHEMATICS

JUNE 2024

I.4. The college/Academic Unit assist the graduating students with deficiencies, disciplinary cases, and other problems which hinder issuance of clearances.

Republic of the Philippines

UNIVERSITY OF SOUTHERN MINDANAO

Kabacan, North Cotabato

Bachelor of Science in Applied Mathematics

ACADEMIC PROGRAM EVALUATION

Student Name: [redacted] [redacted] [redacted] [redacted] [20-20544] Program Code: BSAM College: College of Science and Mathematics

GRADE	COURSE CODE / TITLE	LEC	LAB	UNIT	PRE-REQUISITE
2.25	Math 111b Calculus I	4.0		4.0	
3.00	CS 117 Fundamentals of Computing I	2.0	1.0	3.0	
2.75	GE 5 Purposive Communication	3.0		3.0	
1.25	GE 2 Readings in Philippine History	3.0		3.0	
2.50	GE 4 Mathematics in the Modern World	3.0		3.0	
1.75	GE 6 Art Appreciation	3.0		3.0	
1.50	PE 1 Physical Fitness and Self-Testing Activities	2.0		2.0	
	NSTP 1a Civic Welfare Training Service 1/Reserved Officers Training Corps 1	3.0		0.0	
		23.0	1.0		

GRADE	COURSE CODE / TITLE	LEC	LAB	UNIT	PRE-REQUISITE
2.50	Math 122b Calculus II	4.0		4.0	Math 111b
1.75	CS 127 Fundamentals of Computing II	2.0	1.0	3.0	CS 117
1.75	Soc Sci 1 Society and Culture	3.0		3.0	
2.75	Phys 221c General Physics I	3.0		3.0	Math 111b
1.25	Phys 221 L General Physics I Lab		1.0	1.0	
1.50	Lit 111A Literatures of the Philippines	3.0		3.0	
1.50	PE 2 Rhythmic Activities	2.0		2.0	PE 1
	NSTP 2a Civic Welfare Training Service 2/Reserved Officers Training Corps 2	3.0		0.0	NSTP 1a
1.75	Bio 113 General Biology	2.0	1.0	3.0	
		22.0	3.0		

2nd Year - 1st Semester

GRADE	COURSE CODE / TITLE	LEC	LAB	UNIT	PRE-REQUISITE
2.25	Math 213b Calculus III	4.0		4.0	Math 122b
2.75	Math 212d Fundamental Concepts of Mathematics	3.0		3.0	
2.00	GE 3 The Contemporary World	3.0		3.0	
2.00	Fil 1a Wika at Kultura sa Mapayapang Lipunan	3.0		3.0	
1.00	GE 1 Understanding the Self	3.0		3.0	
1.75	GE 8 Ethics	3.0		3.0	
1.50	PE 3 Recreational Activities (Individual and Dual Sports)	2.0		2.0	PE 1
		21.0			

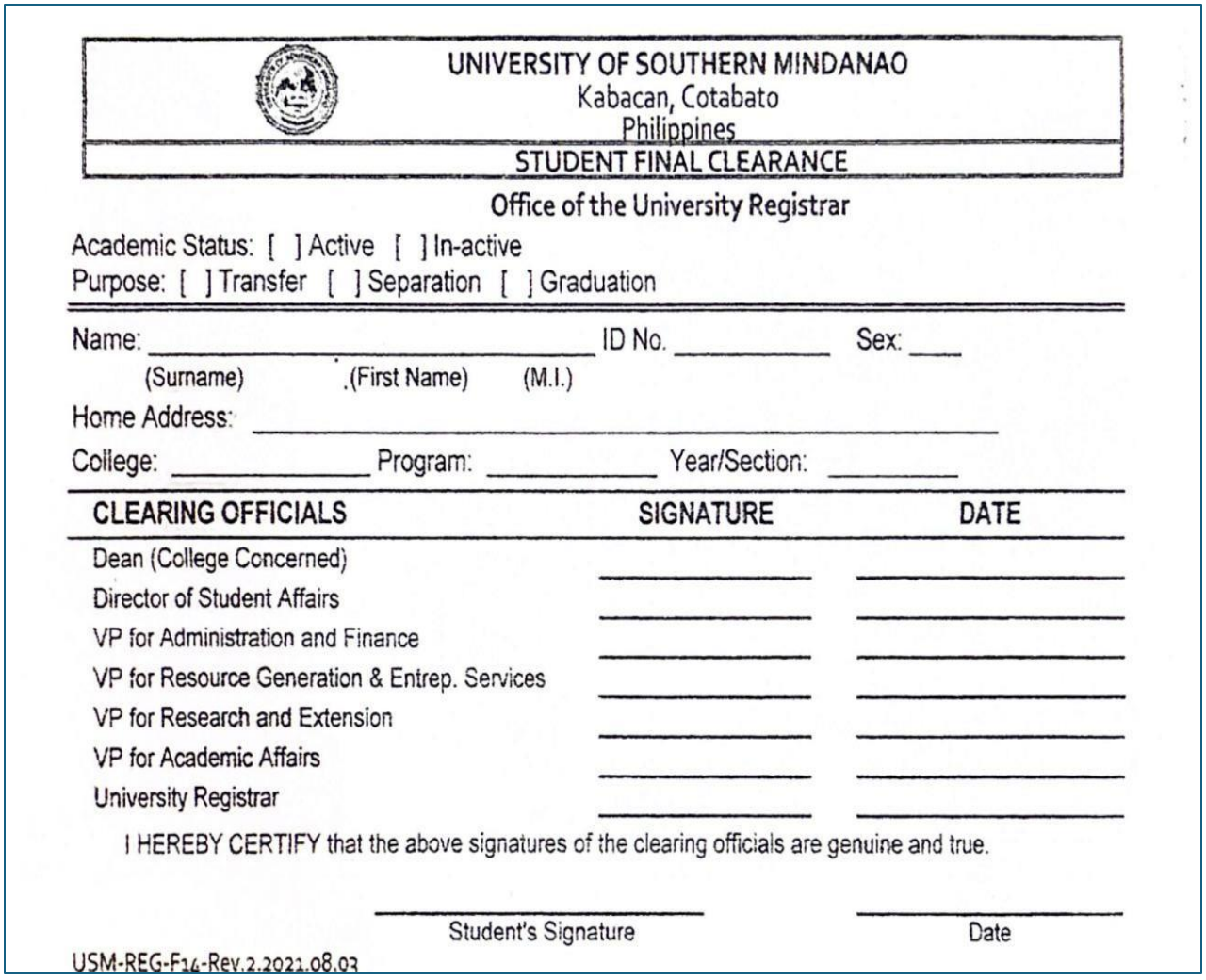
3rd Year - 1st Semester

2nd Year - 2nd Semester

GRADE	COURSE CODE / TITLE	LEC	LAB	UNIT	PRE-REQUISITE
3.00	Math 221a Differential Equations I	3.0		3.0	Math 213b
2.75	Math 222b Linear Algebra	3.0		3.0	Math 212d
INC/3.00	Math 223c Probability	3.0		3.0	Math 213b
2.50	Chem 223b Inorganic Analytical Chemistry	3.0	2.0	5.0	
2.25	GE 7 Science, Technology and Society	3.0		3.0	
1.75	Soc Sci 2 Peace and Development	3.0		3.0	
1.50	PE 4 Team Sports	2.0		2.0	PE 1
		20.0	2.0		

3rd Year - 2nd Semester

I.5. A clearance from academic and financial accountabilities and responsibilities is required before graduation.



UNIVERSITY OF SOUTHERN MINDANAO
Kabacan, Cotabato
Philippines

STUDENT FINAL CLEARANCE

Office of the University Registrar

Academic Status: [ ] Active [ ] In-active
Purpose: [ ] Transfer [ ] Separation [ ] Graduation

Name: _____ ID No. _____ Sex: ____
(Surname) (First Name) (M.I.)

Home Address: _____

College: _____ Program: _____ Year/Section: _____

CLEARING OFFICIALS	SIGNATURE	DATE
Dean (College Concerned)		
Director of Student Affairs		
VP for Administration and Finance		
VP for Resource Generation & Entrep. Services		
VP for Research and Extension		
VP for Academic Affairs		
University Registrar		

I HEREBY CERTIFY that the above signatures of the clearing officials are genuine and true.

_____ _____
Student's Signature Date

USM-REG-F14-Rev.2.2021.08.03