UM
The University of Mindanao

PROFESSIONAL SCHOOL
MASTERS IN INFORMATION SYSTEMS (MIS)
COURSE OFFERINGS FOR SY 2022-2023

FIRST YEAR			
First Semester	**Subject Title**	**Unit**	**Course Description**
MIS101	Org, Mngt., and Admin of IS	3.0	This course initially covers the context of an Information Systems (IS) professional's millieu, which involves concepts and processes of work and motivations, organizations, management and strategy, before tackling and situating information systems, information technology trends, and advances in business process management concepts and platforms. This course emphasizes that systems and technologies gain relevance when appropriately aligned with business architecture of an adaptive enterprise.
MIS102	IT Project and Change Mgt.	2.0	This course covers topics on managing projects within an organizational context, including the processes related to initiating, planning, executing, controlling, reporting, and closing a project. It also covers topics on project integration, scope, time, cost quality control and risk management. Emphasis will be on managing the changes in organizations resulting from introducing or revising information systems, and identifying project champions, working with user teams, training and documentation.
MIS103	Adv. Accounting/Fin/Eco/Bus. Systems	3.0	This course introduces Master in Information Systems majors to the basic accounting concepts and principles undelying financial statements of business enteprise. The course provides a theoretical basis for understanding accounting and system concepts as an introduction of Accounting Information Systems. The course contains in-depth coverage on transaction processing systems organized by cycles (Revenue, Expediture, Conversion, and Financial Cycles). The course shows on how to use database theory, transactional screen and reports, and tools to build functional accounting systems per accounting transaction cycles.

Second Semester	Subject Title	Unit	frame-relay and network security.
ED203	Methods of Research	2.0	This course is designed to hone the knowledge, attitudes, and skills of the students in doing research. This will expose them to any of the three research paradigms and their corresponding methods as they write their research proposals and preapre their survey questionnaires for quantitative study or interview guide for qualitative study.
MIS104	IS Policy and Strategy	3.0	This course examines current issues, themes, and research related to the policies and strategic use of information systems in organizations. It focuses on the use of information and information technology for competitive advantage in businesses, organizations, and nonprofits. It explores the impact of an innovative environment on the design and implementation of strategic systems and explores the concept of strategic alignment between the business and information technology. It examines in detail the use of portfolio management in selecting information technology projects that provide real strategic value to the company. It explores the issue of deriving real value out of information technology investments and discusses the development of meaningful benchmarks. Also included are in-depth discussions regarding the impact of IT security and government regulations
MIS105	Specialization Course 1	3.0	This course aims to familiarize you with the key concepts, practices and issues relevant to engaging and providing IS consulting services from the perspectives of both the client and the consultant.

FIRST YEAR - SUMMER			
Code	**Subject Title**	**Unit**	**Course Description**
ED201	Basic Inferential Statistics	3.0	This course provides background on different statistical principles, probability theory and hypothesis testing through describing and interpreting data sets in preparation for the different statistical application to research with utmost accuracy. Also, this course offers utility to different statistical software. Moreover, this course introduces the analyses for regression models and structural equations models.
MIS106	Specialization Course 2	3.0	resources in the context of business organizations. It will also cover selected issues on management strategies and policies for improving organizational productivity, measurement, evaluation and acquisition of management information services, office automation, end-user computing, computer use in internation environments, social organizational perspectives and ethical implications.

MIS107	Specialization Course 3	3.0	This graduate-level course aims to pass any of the International Certification Examination according to student's specialized field.

SECOND YEAR			
FIRST Semester	**Subject Title**	**Unit**	**Course Description**
MIS108	Specialization Course 4	3.0	The course provides an overview of Enterprise Resource Planning (ERP) software systems and their role within an organization. It introduces key concepts on integrated information systems and explains why such systems are valuable to businesses. The course will also provide a discussion on various business cases in which ERP concepts can be applied. An overview of Business Intelligence (BI) and analytics in the ERP context will also be addressed.
MI109	Specialization Course 5	3.0	This course will focus on a methodology that teaches business model design, customer development and agile engineering – popularly known now as the Lean Startup Model. The end in mind is not a full business plan (which is basically a document of guesses) but a feasible business model and a proof of concept that are commercial-ready and, hence, incubation- ready. The journey begins with opportunity validation, then to product-market fit, and finally to commercial- readiness. The business concept and proof of concept (can be wireframes or prototypes) are results of actual market and product validation experiences. The strategy is to embed the ideation stage in the Technopreneurship course. By this way, the course can regularly churn out multiple startup teams with viable business concepts and proofs of concept that are hopefully commercial-ready and incubation-ready.

Second Semester	**Subject Title**	**Unit**	**Course Description**
GS100	Academic Writing	3.0	This course unfolds elemental knowledge on academic writing environments. The focus of the study will revolve around in-depth discussions on the paragraph development, thesis statement, plagiarisms, paraphrasing and referencing.
MIS203	Capstone Project	6.0	information Management / Information based on the IEEE Std 1058-1998 project plan template. The course is centered around the development of the project plan which includes significant sections such as Managerial Process Plans, Technical Process Plans, Supporting Process Plans, and Project Organization. Students are expected to develop a project plan for their chosen enterprise which will be presented to a panel of experts composed of individuals from the academe and industry.