



# De La Salle University

College/School	Ramon V. Del Rosario College of Business
Department	FINANCIAL MANAGEMENT DEPARTMENT
Minor Program Title	<b>Minor in Financial Risk And Analytics</b>
Description	With the growing amount of threats and uncertainties in the market, the study of financial risk analytics deals with the use of financial strategies and methodologies such as hedging through derivatives to mitigate adverse consequences to a firm's financial performance. The minor program deals with recognizing and analyzing areas of potential risks threatening firm value, earning capacity, and sustainability of organizations. Students will be prepared to utilize the rising accessibility of computing power and new analytical techniques to extract deeper and valuable insights for financial management decisions. Potential careers in this field are quantitative financial analyst, risk analyst/specialist, and other areas that deal with processing financial data.
Rationale	The use of data and information technology has become increasingly important in driving business decisions and managing risk due to significant changes in the financial services industry. This minor provides a practical introduction to financial risk analytics with a focus on data-driven modeling, computation, and statistical estimation of credit and market risks. The use of real data case studies will be used throughout the course. Students will be able to design and implement risk analytics tools in practice.
Learning Outcome/s	<ol style="list-style-type: none"> <li>1. Perform data analysis of real-life financial data using software such as R or others</li> <li>2. Evaluate historical financial and economic cross-section and time series data involving financial issues (e.g. crises, anomalies) in relation to ethical standards and financial theories.</li> <li>3. Apply methods in measuring and modifying risk exposures.</li> <li>4. Perform quantitative risk analysis using risk measurement techniques to assess the severity and consequences of a given risk as well as its overall threat.</li> </ol>
<b>Total Units</b>	<b>12 UNITS</b>



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Course Code	Course Title	Course Description
<b>FMDFINA</b>	Fundamentals of Financial Management	This course is designed to facilitate the understanding of the fundamental concepts of financial management. The students will learn to analyze business performance and recommend possible courses of actions with the objective of maximizing shareholders value. They also learn to construct and analyze financial statements, prepare financial plans, manage working capital, apply time value of money concepts to business situation, and utilize appropriate capital budgeting techniques for long term investments. The course considers questions of concern for corporate financial managers by utilizing appropriate quantitative tools and comprehensive analytical approaches on financial concepts, issues, and practices relevant to the field of corporate finance.
<b>FINSTAD</b>	Financial Data Science and Analysis	This is a basic course in data science with focus on financial data applications. It is designed to promote the use of appropriate statistical tools and techniques to facilitate analysis and interpretation of quantitative financial data. Statistical techniques are tools to be used for experimentation and research and to aid the data-driven decision-making process in the field of business and other related areas and interests. This course focuses on descriptive statistics, graphical presentation, estimation, hypothesis testing, and regression models. The emphasis of the course is application that is developing knowledge of the appropriate techniques and not on the underlying mathematical theory.
<b>FINTSAR</b>	Financial Modelling and Analytics	This is a basic course in econometrics and makes use of software like R, Stata or Python. It introduces the linear regression model and discusses estimation and testing under ideal conditions. Alternative approaches to ordinary least squares, namely, maximum likelihood estimation and method of moments estimation are also discussed. This course looks at what happens when the conditions are less than ideal due to departures from the assumptions necessary for ordinary least squares (OLS) to be the best linear unbiased estimator, and provides alternative regression techniques that address problems arising from the violations of the basic assumptions. Other types of regression analysis are also discussed like logit, probit, and panel data regression. It also introduces the students to univariate and multivariate time series analysis.



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<b>FINRISD</b>	Risk Analysis and Management	This course deals with the ways in which risks are quantified and managed by enterprises in general, and financial institutions, in particular. It deals with the proper identification, assessment, measurement and prioritization of risk, with the view of keeping risk aligned with the goals of an enterprise in creating more value for the company. The course focuses on risk and return issues that are integral to key strategic decisions, both at institutional and the transactional level. It provides students an understanding of the features of a risk management framework, risk governance, financial and non-financial sources of risk, and methods for measuring and modifying risk exposures.
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Attached are the course syllabi.

Submitted by:

DR. LIBERTY S. PATIU

Department Chair (sign over printed name)

JULY 7, 2020

Date

DR. EMILINA S. SARREAL

Dean (sign over printed name)

JULY 7, 2020

Date