

# SEMESTER I

The NorthCap University

## COURSE TEMPLATE

<b>1) Department:</b>	<b>Centre for Languages Learning</b>		
<b>2) Course Name:</b> Effective Communication I	<b>3) Course Code</b> Code: CLL 101	<b>4) L-T- P</b> 2 -0- 1	<b>5) Credits</b> 2.5
<b>6) Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7) Frequency of offering (check one):</b>	Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>		
<b>8) Brief Syllabus:</b> This course is designed to make students understand the Concept of Communication, Scope and Barriers to Communication and Strengthen an understanding of communication strategies and barriers to communication. The syllabus is aimed to acquaint the students with the principles of business correspondence and formal writing techniques by giving them tasks to practice Short Reports, Memorandums, Email Writing, Sales Letters, General Business Letters, Precis Writing. Students learn to articulate their own ideas and demonstrate enhanced conversational skills through Analytical Essay Writing. Phonetics: Introduction to phonic sounds, transcription, overcoming MTI  Language Lab is equipped with software to learn language and also used for recording all speaking activities			
<b>9) Total lecture, Tutorial and Practical Hours for this course (Take 14 teaching weeks per semester)</b>			
<b>Lectures: 28 hours</b>	<b>Tutorials: Nil</b>	<b>Practicals: 14 hours</b>	
<b>10) Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Demonstrate the use of basic and advanced writing techniques using enriched vocabulary and grammar in various forms of writing.		
<b>CO 2</b>	Exhibit excellence in writing effectively.		
<b>CO 3</b>	Communicate effectively by overcoming the different barriers to communication.		
<b>CO 4</b>	Apply generic conventions and formats to memoranda, notices and business correspondence		
<b>CO 5</b>	Display confidence in conversational skills.		

## COURSE TEMPLATE

<b>1) Department:</b>	<b>Department of Applied Sciences</b>		
<b>2) Course Name:</b> Environmental Studies	<b>3) Course Code</b>	<b>4) L- T-P</b>	<b>5) Credits</b>
	Code: ASL140	3-0-0	3
<b>6) Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7) Frequency of offering (check one):</b>	Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>		
<b>8) Brief Syllabus:</b> Definition, scope and importance, Need for Public awareness, Renewable and non-renewable resources: Natural resources and associated problems, Forest resources: Use and overexploitation: deforestation, case studies, Timber exploitation, mining, dams and their effects and forests tribal people, Water resources: Use and overutilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems, Ecosystem, Concept of an ecosystem, Structure and function of an ecosystem, Producers, consumers and decomposers, Biodiversity and its conservations, Role of an individual in prevention of pollution, Pollution case studies, Social issues and the Environment, Human population and the Environment, Field Work.			
<b>9) Total lecture, Tutorial and Practical Hours for this course (Take 14 teaching weeks per semester)</b>			
<b>Lectures: 42 hours</b>		<b>Tutorials: 0 hours</b>	<b>Practices : 0 hours</b>
<b>10) Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Application of knowledge gained to generate awareness for environmental protection so as to sensitize the student community towards environmental management and becoming Green Citizens and to apply the knowledge gained in sustaining various resources by using green technologies.		
<b>CO 2</b>	To apply the concepts learnt in maintaining balance in natural ecosystems and it covers all aspects of life and contributes in constructive decision-making keeping environment in view.		
<b>CO 3</b>	Development of understanding of pollution and to develop an understanding of Environmental management to enable them in becoming green engineers and green managers. To become		

	green citizens and contribute in the sustainable development of the society, country and the world.
<b>CO 4</b>	To apply the concepts learnt in earning resources for their organizations by using green technologies.
<b>CO 5</b>	It encapsulates sound theoretical base of all the environmental aspects coupled with practical and projects.

The NorthCap University

## COURSE TEMPLATE

<b>1) Department:</b>	<b>School of Management</b>		
<b>2) Course Name:</b> Principles of Management	<b>3) Course Code</b> Code: SML 133	<b>4) L- T-P</b> 2- 0 -2	<b>5) Credits</b> 3
<b>6) Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7) Frequency of offering (check one):</b>	Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>		
<b>Brief Syllabus:</b> Principles of management provide an overview and understanding on the current issues and challenges facing today's businesses, both small and large. The design of the course includes the basic mechanics business operations; manufacturing, marketing and maintaining financial focus in a rapidly changing and competitive market. The contents are decided considering the current management practices, the changing roles of the manager, future trends in worldwide management structures and activities in manufacturing and service organizations.			
<b>8) Total lecture, Tutorial and Practical Hours for this course (Take 14 teaching weeks per semester)</b>			
<b>Lectures: 28 hours</b>	<b>Tutorials: 0 hours</b>	<b>Practicals: 14 hours</b>	
<b>9) Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Improvement in the ability to examine managerial issues and problems and to develop feasible alternatives that can result in better decision-making.		
<b>CO 2</b>	Knowledge of traditional and contemporary concepts in management.		
<b>CO 3</b>	Understanding the importance of effective leadership and communication as a supervisor.		
<b>CO 4</b>	Ability to stimulate individual and group performance.		

# COURSE TEMPLATE

[illegible]

## COURSE TEMPLATE

<b>1. Department:</b>	School of Management		
<b>2. Course Name: Understanding the Constitution</b>	<b>3. Course Code</b>	<b>4. L-T/P</b>	<b>5. Credits</b>
	SLL104	3-0-0	3
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Pre-requisite(s), if any:</b> A very broad and thick understanding of three branches of the State- Executive, Judiciary and the Legislature			
<b>Frequency of offering (check one):</b> Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>			
<b>8. Brief Syllabus:</b> The course aims to provide the students a basic and elemental understanding of the Indian Constitution. During the entire course basic questions relating to the framing and working of the Constitution would be discussed. The course begins with the history of drafting of the Indian Constitution and the composition and working of the Constituent Assembly. The following units entail territorial composition of India, Fundamental Rights, matters about democratic functionaries and some other miscellaneous yet indispensable concepts of amenability of the Constitution, emergency etc.			
<b>Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures:hours</b>	<b>Practice</b>		
	<b>Tutorials /Problem solving : hours</b>	<b>Lab Work: hours</b>	
<b>9. Course Outcomes (COs)</b>			
<b>CO 1</b>	To provide students with the basic understanding of the framing of the Constitution		
<b>CO 2</b>	To give a sophisticated legal perspectives into their rights		
<b>CO 3</b>	To elaborate on the functioning of the democratic functionaries		
<b>CO 4</b>	To understand the concept of Constitutional Change and other allied concepts		

## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name:</b> Professional Accounting	<b>3. Course Code</b>	<b>4. L- T- P</b>	<b>5. Credits</b>
	Code: SML 165N	2-0-2	3
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b> Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>			
<b>Brief Syllabus:</b> Objective and nature of Accounting; Book Keeping and Accounting; Interrelationship of Accounting with other disciplines; Branches, Limitations; Accounting equations; Principles; IFRS, Subsidiary Books; Journal; Ledger, Trial Balance and Final Accounts of various business entities.			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 14 teaching weeks per semester)</b>			
<b>Lectures: 42 hours</b>	<b>Tutorials: 14 hours</b>	<b>Practicals:</b>	
<b>9. Course Outcomes (COs)</b> After completion of this course students will be able to:			
<b>CO 1</b>	Gain the conceptual knowledge of financial accounting and to understand the concept of business incomes and expenditures using applicable accounting principles.		
<b>CO 2</b>	To understand the nature and purpose of Generally Accepted Accounting Principles (GAAP) and Accounting Standards.		
<b>CO 3</b>	To get familiar with the procedure of preparing books of final accounts for different business entities.		
<b>CO 4</b>	To have an understanding of Capital and Revenue Incomes, Receipts and Expenditures, Depreciation and Issuance of Shares and Debentures.		



## COURSE TEMPLATE

<b>1. Department:</b>	School of Management		
<b>2. Course Name:</b> Digital Literacy	<b>3. Course Code</b>	<b>4. L –T- P</b>	<b>5. Credits</b>
	Code: CSV119	0 -0-4	2
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b>	Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>		
<b>Brief Syllabus:</b> The course is designed to aim at imparting a basic level appreciation programme. After completing the course the student will be able to the use the computer for basic purposes of preparing his personnel/business letters, viewing information on Internet (the web), sending mails, using internet banking services etc.			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 14 teaching weeks per semester)</b>			
Lectures: 28 hours	Tutorials: 0 hours	Practicals: 14 hours	
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Understand the concept of IT and e-governance		
<b>CO 2</b>	Ability to work on Ms-Word		
<b>CO 3</b>	Skills to analyze the data on Excel		
<b>CO 4</b>	Knowledge of E-Commerce		
<b>CO 5</b>	Understand the electronic payment systems		
<b>CO 6</b>	Awareness about the dynamics of digital economy		

# SEMESTER II

The NorthCap University

### COURSE TEMPLATE

<b>1. Department:</b>	<b>Centre for Languages Learning</b>		
<b>2. Course Name:</b> Effective Communication II	<b>3. Course Code</b>	<b>4. L- P</b>	<b>5. Credits</b>
	Code: CLL 102	2-0-1	2.5
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>			
<b>8. Brief Syllabus:</b> Principles of 7 C's of Communication and application in a professional setting. Drafting of formal documents such as: short & long report, business proposals & e-mails. Analytical writing on current issues with reasoning. Vocabulary building and knowledge of standard grammatical structures for improved communication. Reading select literary texts to develop interest in varied literature. Practice spoken skills for professional setting: oral presentations, conversations & general discussions.			
<b>9. Total lecture, Tutorial and Practical Hours for this course (Take 14 teaching weeks per semester)</b>			
<b>Lectures:</b> 28 hours	<b>Tutorials:</b>	<b>Practicals:</b> 14 hours	
<b>10. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Communicate effectively in social and professional situations and convey the intended message with clarity and conciseness.		
<b>CO 2</b>	Compose concrete and correct formal correspondence texts viz. namely formal letters, business reports and proposals.		
<b>CO 3</b>	Effective participation using language & interpersonal skills during group discussions, debates, oral presentations and social conversations and make informed, ethical opinions on relevant global issues.		
<b>CO 4</b>	Enhanced acquisition of vocabulary & correct language structures for effective expression.		
<b>CO 5</b>	Ability to think logically and critically: use this skill in written & spoken expression.		
<b>CO 6</b>	An interest in reading of different kinds of works of renowned authors.		

## COURSE TEMPLATE

<b>1. Department:</b>	<b>SCHOOL OF MANAGEMENT</b>		
<b>2. Course Name:</b>	<b>3. Course Code</b>	<b>4. L-T-P</b>	<b>5. Credits</b>
ENTREPRENEURSHIP	SML 300	2-0-2	3
<b>6. Type of Course (Check one):</b>	<input checked="" type="checkbox"/> Programme Core <input type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective		
<b>7. Pre-requisite(s), if any</b> (Mention course code and name)NA			
<b>8. Frequency of offering (check one):</b>	<input checked="" type="checkbox"/> Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester		
<b>9. Brief Syllabus:</b>			
<p>The course is designed to provide students an understanding of how new ventures/ entrepreneurs contribute to the economic development of a nation. It introduces them to the principles of entrepreneurship and the processes involved in setting up a new enterprise. Not only setting up a new enterprise but also operating it demands equal or more effort. Apart from making the business plan, they need to understand different business models, financing mechanisms, marketing, inventory management, human resource management etc. The significance of developing a new product and commercializing it, is stressed upon. Subsequently, the students need to understand the different growth strategies. The various exit options are also important and need to be worked upon. The course ends by making the students aware that every business, small or big, needs to be socially responsible.</p>			
<b>Total lecture, Tutorial and Practical Hours for this course (Take 14 teaching weeks per semester)</b>			
<b>Lectures: 28</b>	<b>Tutorials: 14</b>	<b>Practical: NIL</b>	
<b>10. Course Outcomes (COs)</b>			
Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Understand the importance/contribution of entrepreneurship for the society and economy.		
<b>CO 2</b>	Get motivated enough to think of entrepreneurship as an alternative career opportunity.		
<b>CO 3</b>	Understand the entrepreneurial process.		
<b>CO 4</b>	Comprehend the importance of identifying business opportunities.		
<b>CO 5</b>	Awareness of protecting one's intellectual property.		
<b>CO 6</b>	Get direction as to how to start a new enterprise & write a business plan.		
<b>CO 7</b>	Comprehend the role of multiple institutions involved in supporting the entrepreneurial process.		
<b>CO 8</b>	Understand the relevance of social responsibility while doing business.		

## COURSE TEMPLATE

<b>1. Department:</b>	School of Management			
<b>2. Course Name: Principles of Economics</b>	<b>3. Course Code</b>	<b>4. L- T-P</b>	<b>5. Credits</b>	
	Code: SML164N	2-0-2	4	
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>			
<b>7. Frequency of offering (check one):</b>	Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>			
<b>Brief Syllabus:</b>  This course sets the base for the microeconomics as a whole and precisely it will help students to learn the fundamental concepts of demand, supply and consumer behavior, production, cost and revenue.				
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 14 teaching weeks per semester)</b>				
Lectures: 42 hours		Tutorials:		Practical: 14
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed				
<b>CO 1</b>	Understand the basic concepts of types of economics, central problems of economy, branches of economy, PPC, opportunity cost, Theory of demand, theory of supply, and elasticity of demand			
<b>CO 2</b>	Analyze the Utility, DMU, Consumer equilibrium, Law of equi marginal utility, Indifference curve, Production and laws of production.			
<b>CO 3</b>	Display an understanding of Revenue concepts, cost concepts, price determination, forms of market.			
<b>CO 4</b>	Understand the concept of National Income-Meaning, Methods of Measurement, Circular Flow of Income-Two, Three and Four Sector Economy			
<b>CO5</b>	Ability to understand Fiscal Policy-Meaning, Objectives and Instruments; Monetary Policy-Meaning, Objectives and Instruments; Inflation			

## COURSE TEMPLATE

<b>1.Department:</b>	<b>Centre for Languages Learning</b>			
<b>2.Course Name:</b> Human Values and Professional Ethics	<b>3.Course Code</b>	<b>4.L-T- P</b>	<b>5.Credits</b>	
	<b>Code:</b> CLL 120	2 -0- 0	2	
<b>6.Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>			
<b>7.Frequency of offering (check one):</b>	Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>			
<p><b>8.Brief Syllabus:</b> The object of this program is to develop ethical thinking abilities for decision making, self- control, and holistic approach towards life and professions. This program would also help them to understand the importance of harmony in self, family and society, along with learning to be more responsible towards environment and society.</p> <p>This program touches the topics like morals and values, integrity and honesty, and courage as a stepping stone towards a peaceful society. Topics like mindfulness, which has elements like framework of happiness quotient and Fuelling success, is included to bringing one's attention to the internal and external experiences happening in the present moment. It will also help them develop a state of mind where they pay attention to their thoughts and feelings without judging them. This entire program focuses on developing self-control and confidence through education. As the students are soon going to become professionals, to make them future ready topics like Business Ethics, Corporate Social Responsibility and corporate Governance is also included, so that being into corporate they can be effective decision makers and handle their responsibilities towards the society and organization.</p> <p>Session Topics:</p> <ul style="list-style-type: none"> <li><b>1: Human Values and Harmony (3 Sessions)</b></li> <li><b>2: Mindfulness (2 Sessions)</b></li> <li><b>3: Vivekananda's Philosophy (1 Session)</b></li> <li><b>4: Business Ethics and Responsibility (2 Sessions)</b></li> <li><b>5: CSR (1 Session)</b></li> <li><b>6:Corporate Governance (2 Sessions)</b></li> </ul> <p><b>Activities:</b></p> <ul style="list-style-type: none"> <li>• Debate/Discussion –Ethical Behaviour of Businesses(Case Studies) (2 Sessions)</li> <li>• Report on CSR Activity of any organization-Submission and Presentation (2 Sessions)</li> </ul>				
<b>9.Total lecture, Tutorial and Practical Hours for this course (Take 14 teaching weeks per semester)</b>				
<b>Lectures: 28 hours</b>	<b>Tutorials: Nil</b>		<b>Practicals: Nil</b>	
<b>10.Course Outcomes (COs)</b>				
Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed				
<b>CO 1</b>	Demonstrate an ability to empathize/concern for societal issues.			
<b>CO 2</b>	Combine technical competence with the right approach to life, profession, and society.			

<b>CO 3</b>	Ability to handle professional and personal dilemmas effectively i.e. the right course of action in a given situation.
<b>CO 4</b>	Applying professional values, ethics and attitude to complex work assignments and making decisions

The NorthCap University

## COURSE TEMPLATE

	<b>1. School of Management</b>		
<b>Course Name: Psychology for Living</b> <b>2.</b>	<b>3. Course Code</b>	<b>4. L-T/P</b>	<b>5. Credits</b>
	PCL102	3(2-1-0)	3
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Pre-requisite(s), if any:</b> None			
<b>8. Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>			
<b>9. Brief Syllabus:</b>			
<p>The present course has been designed to encapsulate the major thrust areas in the discipline of psychology with focus on its relevance in everyday life. The course seeks to make a beginner student aware about his/her body image, intimacy, socialization process, and role of culture in his/her self as mediated by media. The students will be introduced to disintegrative experiences and ways of managing them, as well as the process of self-growth and integration.</p>			
<b>Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures: 30 hours</b>	<b>Practice</b>		
	<b>Tutorials: 15 hours</b>	<b>Practical: hours</b>	
<b>10. Course Outcomes (COs)</b>			
Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	To understand the relevance of psychology in everyday life highlighting its importance for physical health and lifestyle.		
<b>CO 2</b>	To learn about self through issues of body image, intimacy, role of culture, and socialization process.		
<b>CO 3</b>	To learn about concepts of psychological distress, stress, and coping.		
<b>CO 4</b>	To familiarize with the process of growth and ways of integrating self.		



### COURSE TEMPLATE

<b>1. Department:</b>	School of Management		
<b>2. Course Name: Indian Legal System</b>	<b>3. Course Code</b>	<b>4. L-T/P</b>	<b>5. Credits</b>
	LBL102	3-0-0	3
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/>	Programme Elective <input type="checkbox"/>	Open Elective <input type="checkbox"/>
<b>7. Pre-requisite(s), if any:</b> nil			
<b>Frequency of offering (check one):</b> Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>			
<b>8. Brief Syllabus:</b>  The course aims to provide the students with a basic understanding of the Indian Legal System. A basic understanding of law would be developed coupled with the classification of law and its various sources. Beginning with the drafting history of the Constitution; an understanding about its salient features will be developed. Aspects about fundamental rights, fundamental duties, principles of natural justice, rule of law and separation of power also constitute a significant part of the study.			
		<b>Tutorials /Problem solving : hours</b>	<b>Lab Work: hours</b>
<b>9. Course Outcomes (COs)</b>			
<b>CO 1</b>	To provide students with the basic understanding of the Indian Legal System		
<b>CO 2</b>	To elaborate on the salient features of the Indian Constitution		
<b>CO 3</b>	To give a detailed understanding of the fundamental rights regime in India		
<b>CO 4</b>	To understand the concept of principle of natural justice		

## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name: Fine Arts</b> (History of Art)	<b>3. Course Code</b> Code: SML171	<b>4. L- T-P</b> 2-0-1	<b>5. Credits</b> 2
<b>6. Type of Course</b> <b>(Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b>	Odd <input type="checkbox"/> Even <input checked="" type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>		
<b>8. Brief Syllabus:</b> The course is aimed to develop aesthetic sense of the students through the understanding to various important, well known aspects and modes of visual art. This course will introduce students to creative art, especially visual art whose products are to be appreciated primarily or solely for their imaginative, aesthetic, or intellectual content. The topics will compromise of activity requiring great skill or accomplishment. It incorporates strategies which enables students to articulate their own ideas and demonstrate enhanced seminar, conversational and interpersonal skills.			
<b>9. Total lecture, Tutorial and Practical Hours for this course (15 teaching weeks per semester)</b>			
<b>Lectures: 30 hours</b>	<b>Tutorials:</b>	<b>Practical: 15</b>	
<b>10. Course Outcomes (COs)</b>			
<b>CO 1</b>	Learn about Pre-Historic Art (Rock Paintings, Petroglyphs,		
<b>CO 2</b>	Learn about the Art of Indus Valley Civilization		
<b>CO 3</b>	Learn about Temple Architecture (Jain, Buddhist and Hindu), Buildings & Statues		
<b>CO 4</b>	Learn about Indo-Islamic Architecture of India		
<b>CO 5</b>	Learn about Late Medieval & Early Modern art of different parts of India		

# SEMESTER III

## COURSE TEMPLATE

1. Department:	School of Management		
2. Course Name: History of Indian Economic Thought	3. Course Code	4.	5. Credits
	Code: SML225	3-0-0	3
6. Type of Course (Check one):	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input checked="" type="checkbox"/>		
7. Frequency of offering (check one):	Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>		
<b>8. Brief Syllabus:</b> This course surveys the main schools in the history of the development of economic thought, beginning with the classical school and the works of Smith, Ricardo, J.S. Mill, Thornton, Say, and others. It then reviews challenges to the classical school by Marx, Marginalists, and subsequent key figures like Marshall, Walras and the Neo-classicalists. Economic thought associated with the early 20th century transitionalists are briefly addressed, including economists such as Wicksell, Schumpeter, Fisher, and others. Selective chapters and passages of Keynes' General Theory are read in depth, focusing in particular on Keynes in areas of investment, interest rate theory and money demand. Post-1945 revisions of Keynes and Neoclassical economics in the form of early and late IS/LM analysis are reviewed, and its main challenges by Friedman (Monetarism), Lucas (Rational Expectations), Real Business Cycle theorists, and Post-Keynesian thought (UK and US). The course concludes with a consideration of efficient markets theory and the views of its critics such as Tobin, Hyman Minsky, Shiller, and others. Throughout the course, economic theories will be examined in light of the interrelationships between theory, policies and conditions including responses to the current financial and economic global crises since 2006.			
<b>9. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
Lectures: 45 hours	Tutorials: 0 hours	Practical: 0 hours	
<b>10. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			

<b>CO 1</b>	Student would be able to understand Economic Thought Before Adam Smith
<b>CO 2</b>	Student would be able to understand Classical Theories of Value, Growth and Distribution
<b>CO 3</b>	Student would be able to understand Classical Economics on Money, Banking, and Policy and Marxist Economics: Classical Or Not
<b>CO 4</b>	Student would be able to Measure Marginalists, Marshall, and Late Neoclassical Economics and Keynesí Theory of Money, Investment, and Cycles
<b>CO 5</b>	Student would be able to comprehend Neoclassical Synthesis and Monetarist Challenge and Economic Thought at Historical Crossroads.

## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name:</b> Business Mathematics	<b>3. Course Code</b>	<b>4. L –T- P</b>	<b>5. Credits</b>
	Code: SML 105	2-0-2	3
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b>	Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>		
<b>Brief Syllabus:</b> Surds and indices, logarithm, common log and natural log, antilog, use of log in calculations, linear and quadratic equations and their solution, functions and graphs – linear, quadratic, exponential and trigonometric functions. Series and sequences and their applications in the solutions of business problems, simple interest and compound interest, present value and annuities. Idea of limits and continuity, differentiation and application of differentiation in the solution of business and economic problems (elasticity of demand, MC, MR and marginal utility, maximization and minimization problems, Integration, method of substitution, integration by parts and method of partial fraction and the use of integration in finding total functions, consumer surplus and producer surplus. Determinants and matrices and solution of simultaneous equations (upto three variables)			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures: 30 hours</b>	<b>Tutorials: 0 hours</b>		<b>Practicals: 30 hours</b>
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is			

completed	
<b>CO 1</b>	To understand the concept of Surds, indices and equations.
<b>CO 2</b>	To understand the concept of Limit and Continuity of a function.
<b>CO 3</b>	To understand the concept of differentiation and integration and its uses in business.
<b>CO 4</b>	To understand the concept and application of determinant and matrices in business.
<b>CO 5</b>	To understand the concept of series and sequences and their application in business

## COURSE TEMPLATE

<b>1. Department:</b>	School of Management		
<b>2. Course Name:</b> Advanced Microeconomics	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	Code: SML271	4-0-0	4
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b>	Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>		
<b>Brief Syllabus:</b> This course is a sequel to Principles of Economics. The course is designed to provide a sound training in microeconomic theory. Since students are already familiar with the quantitative techniques in the previous semesters, mathematical tools are used to facilitate understanding of the basic concepts. This course looks at the behaviour of the consumer and the producer and covers general equilibrium and welfare, imperfect markets and topics under information economics.			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures: 60 hours</b>	<b>Tutorials: 0 hours</b>	<b>Practical: NIL</b>	
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Understand Consumer Behavior using mathematical tools		
<b>CO 2</b>	Understand Uncertainty , Producer theory		
<b>CO 3</b>	Understanding of Perfectly competitive market and Monopoly and monopolistic behavior		

<b>CO 4</b>	Understand the Strategic interactions .
<b>CO5</b>	To understand Externalities and public goods and Asymmetric information .

## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name:</b> Advanced Macroeconomics	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	<b>Code:</b> SML276	4-0-0	4
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b>	Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>		
<p><b>Brief Syllabus:</b> This course introduces the students to formal modelling of a macro-economy in terms of analytical tools. It discusses various alternative theories of output and employment determination in a closed economy in the short run as well as medium run, and the role of policy in this context. It also introduces the students to various theoretical issues related to an open economy.</p> <p>Aggregate Demand and Aggregate Supply Curves, Inflation, Unemployment and Expectations - Phillips curve; Okun's law; adaptive and rational expectations; policy ineffectiveness debate and Open Economy Models - Short-run open economy models; Mundell-Fleming model; exchange rate determination; purchasing power parity; asset market approach; monetary approach to balance of payments.</p>			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures:</b> 60 hours	<b>Tutorials:</b> NIL	<b>Practical:</b> NIL	
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Understand The Solow model, The Ramsey model, The Diamond (OLG) Model, Endogenous Growth Models, Growth Empirics		
<b>CO 2</b>	Understand labour market and relationship between output, unemployment and employment, relationship between inflation and unemployment through Phillips curve, concept of Okun's law, Adaptive and Rational Expectation Theories.		
<b>CO 3</b>	Understand Open Economy Models		
<b>CO 4</b>	Understand the Consumption Theory and Investment Theory		

<b>CO5</b>	Understanding the Equilibrium Unemployment Theory and The COVID-19 Crisis
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## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name: Behavioral Economics</b>	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	<b>Code: SML211</b>	3-0-0	3
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b> Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>			
<b>Brief Syllabus:</b>  Behavioral Economics is a relatively new sub-field of economics that incorporates insights about behavior from psychology into economics, with the goal of improving the realism and accuracy of the standard economic models. Formally, behavioral economics details observed behavior that is contrary to the predictions of the current models and generates new and improved models to describe behavior. Most economic reasoning is still based on three simplifying assumptions: that economic agents are perfectly rational, possess unlimited self-control, and are only interested in their own material payoff. Behavioral economics studies how one can relax these assumptions. The course will cover a range of topics in behavioral economics, including prospect theory, self-control, and social preferences. There will be a focus on methods and how experiments can be used to analyze economic behavior and test theories. The course aims to provide students with grounding in the main areas of behavioral economics, by focusing on behavioral implications of theoretical models and on experimental evidence in economics.			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures: 45 hours</b>	<b>Tutorials: NIL</b>	<b>Practical: NIL</b>	
<b>9. Course Outcomes (Cos)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO1</b>	Understand Behavioral Economics, Heuristics and Biases		
<b>CO2</b>	To become familiar with the Markets and Risk Preferences		
<b>CO3</b>	To be able to critically assess Inter temporal Choice		
<b>CO4</b>	To Understand the time preference and dynamic (in)consistency, markets that capitalize on limits of self-control		

<b>CO5</b>	To Understand changing behavior: incentives and nudges
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The NorthCap University



# **SEMESTER**

# **IV**

The NorthCap University

## Course Template

<b>Department:</b>	<b>School of Management</b>		
<b>Course Name: International Trade</b>	<b>1. Course Code</b>	<b>2. L- T-P</b>	<b>3. Credits</b>
	<b>Code: SML306</b>	3-0-0	3
<b>Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/>	Programme Elective <input type="checkbox"/>	Open Elective <input type="checkbox"/>
<b>Frequency of offering (check one):</b>	Odd <input checked="" type="checkbox"/>	Even <input type="checkbox"/>	Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>
<b>Brief Syllabus:</b>			
<b>Total lecture, Tutorial and Practical Hours for this course (15 weeks)</b>			
<b>Lectures: 45</b>	<b>Tutorials: 0</b>	<b>Practicals: 0</b>	
<b>4. Course Outcomes (COs)</b> This course develops a systematic exposition of models that try to explain the composition, direction, and consequences of international trade, and the determinants and effects of trade policy. It then builds on the models of open economy macroeconomics, focusing on national policies as well as international monetary systems. It concludes with an analytical account of the causes and consequences of the rapid expansion of international financial flows in recent years. Although the course is based on abstract theoretical models, students will also be exposed to real-world examples and case studies.			
<b>CO 1</b>	To be able to explain the composition, direction, and consequences of international trade		
<b>CO 2</b>	To be able to identify Theories of International Trade.		
<b>CO 3</b>	To be able to analyze the Instruments of trade policy; political economy of trade policy; controversies in trade policy.		
<b>CO 4</b>	Understand International Macroeconomic Policy		
<b>CO 5</b>	To Understand the Ethics in International Affairs. UN and its subsidiaries. Globalization and the environment.		

## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name:</b> Statistics & Research Methodology-II	<b>3. Course Code</b>	<b>4. L- T-P</b>	<b>5. Credits</b>
	<b>Code: SML</b>	4-0-0	4
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/>	Programme Elective <input type="checkbox"/>	Open Elective <input type="checkbox"/>
<b>Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input checked="" type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>			
<b>Brief Syllabus</b> This course attempts at inculcating in students the knowledge in the area of statistics. The main topics covered are Index Numbers, Time series analysis, Probability Distribution, sampling distribution, Test of Hypothesis, Small sampling theory, CHI square, ANOVA.			
<b>7. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures: 60 hours</b>		<b>Tutorials: NIL</b>	<b>Practical: NIL</b>
<b>8. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Student would be able to use summary statistics to describe data.		
<b>CO 2</b>	Student would be able to use probability theory and probability distributions in decision making.		
<b>CO 3</b>	Student would be able to perform basic statistical analysis using the concepts of correlation and regression.		
<b>CO 4</b>	Student would have the understanding of the sampling theory and sampling distributions.		

## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name:</b> Introduction to Econometrics	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	<b>Code: SML 233N</b>	4-0-0	4
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/>	Programme Elective <input type="checkbox"/>	Open Elective <input type="checkbox"/>
<b>7. Frequency of offering (check one):</b> Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>			
<b>8. Brief Syllabus:</b> This course aims at providing students a thorough understanding of core techniques of econometrics with focus on applied microeconomics techniques and how to apply them to test economic theories and quantify relevant factors for economic policy and other decisions. This course will help student to rigorously understand issues in connecting data, statistics and economic theory. The approach would be hands-on practice to help students get comfortable with working with dataset.			

The course would address the problems typically encountered in conducting empirical econometric research, in evaluating results and testing hypotheses in making predictions. The main contents of this course are introduction to econometrics, simple linear regression model (concepts, estimation, properties and testing of hypothesis), multiple regression models, functional forms and testing for model specification, identifying and correcting for violation of CLRM assumptions, dummy variables, logit and probit models, simultaneous equation model.

**9. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)**

<b>Lectures: 60 hours</b>	<b>Tutorials: NIL</b>	<b>Practical: NIL</b>
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**10. Course Outcomes (Cos)**

Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed

<b>CO 1</b>	Demonstrate the basic concepts of econometrics and econometrics modeling.
<b>CO 2</b>	Effectively carry out estimation and inference for simple linear regression model.
<b>CO 3</b>	Effectively carry out estimation and inference for multiple linear regression models under different scenarios.
<b>CO 4</b>	Carry out econometric applications on problem data sets and interpret the results of multivariate regression using statistical software program.
<b>CO 5</b>	To be thorough on Simultaneous Equation Models

## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name:</b> Environmental Economics	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	Code: SML343	2-0-2	4
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input checked="" type="checkbox"/>		
<b>7. Frequency of offering (check one):</b>	Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>		
<b>8. Brief Syllabus:</b> This course focuses on economic causes of environmental problems. In particular, economic principles are applied to environmental questions and their management through various economic institutions, economic incentives and other instruments and policies. Economic implications of environmental policy are also addressed as well as valuation of environmental quality, quantification of environmental damages, tools for evaluation of environmental projects such as cost-benefit analysis and environmental impact assessments. Selected topics on international environmental problems are also discussed.			
<b>9. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			

<b>Lectures: 30 hours</b>		<b>Tutorials: 0 hours</b>	<b>Practical: 30 hours</b>
<b>10. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Student would be able to apply environmental questions and their management through various economic institutions, economic incentives and other instruments and policies.		
<b>CO 2</b>	Student would be able to address and value the management of Environmental economics through instruments and policies.		
<b>CO 3</b>	Student would be able to carry out environmental quality, quantification of environmental damages, tools for evaluation of environmental projects such as cost-benefit analysis and environmental impact assessments.		
<b>CO 4</b>	Student would be able to Measure the Benefits of Environmental Improvements		
<b>CO 5</b>	Student would be able to comprehend sustainability and its measures.		

# **SEMESTER V**

The NorthCap University

## COURSE TEMPLATE

<b>1. Department:</b>	School of Management		
<b>2. Course Name:</b> Public Finance	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	Code: SML226	2-0-2	3
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b>	Odd <input type="checkbox"/> Even <input checked="" type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>		
<b>Brief Syllabus:</b> The main goals of this course are to develop an understanding of why and how the government may intervene in the economy, and to study the effect of government expenditure programs and taxation systems on the welfare and behavior of citizens. This course will include an analysis of the theoretical bases that guide government intervention in the economy; the discussion of a range of issues in public finance with a focus on current policy debates; and the presentation of empirical methods used in economics to evaluate the effect of public policies.			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
Lectures: 30 hours	Tutorials: NIL	Practical: 30 hours	
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Student would be able to understand the Introduction to Public Finance		
<b>CO 2</b>	Student would be able to understand Types of Government Budgets		
<b>CO 3</b>	Student would be able to comprehend the Sources of Public Revenue.		
<b>CO 4</b>	Student would be able to understand Rationale for the growth of public expenditure: Wagner's law of increasing state activities; peacock-Wiseman hypothesis.		
<b>CO 5</b>	To Understand the Canons of public expenditure		

## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name: Fundamentals of Money and Banking</b>	<b>3. Course Code</b>	<b>4. L- T-P</b>	<b>5. Credits</b>
	<b>Code: SML257</b>	2-0-2	3
<b>6. Type of Course (Check one):</b>	Programme Core <input type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input checked="" type="checkbox"/>		
<b>7. Frequency of offering (check one):</b>	Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>		
<b>8. Brief Syllabus:</b>  (a). <b>Prerequisites:</b> Basic elementary knowledge of Indian banking system. (b). <b>Learning Objectives:</b> learn about the basics of finance and accountancy. (c). <b>Salient Features:</b> make the student aware about the most commonly and practically used banking methodologies. (d). <b>Utility:</b> students will have knowledge about the basic concepts of banking and money management.  <b>Industry Requirement:</b> The knowledge of financial market and institutions is always a requirement for the industries dealing with financial markets, like capital market, money market.			
<b>9. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures: 30 hours</b>	<b>Tutorials: 0</b>	<b>Practical: 30</b>	
<b>10. Course Outcomes (COs)</b>			
Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Comprehend the functions, importance and types of money.		
<b>CO 2</b>	Understand the basic concept of different Types of Banking Systems, to analyze structure of Indian Banking System, Recent development in Banking Sector		
<b>CO 3</b>	Identify the role of Reserve Bank of India. Monetary Control by the Reserve Bank of India. Also understand the functions and Present Position of the State Bank of India.		
<b>CO 4</b>	Comprehend the Functions and Present Position <b>of Indigenous Bankers</b> , Co-operative Banking System, Land Development Banks, Regional Rural Bank (RRBs), National Bank for Agricultural and Rural Development (NABARD), Small Industries Development Bank of India (SIDBI).		
<b>CO5</b>	Understand the Role of IFC, ICICI, IDBI, SFCs. Industrial Reconstruction Bank of India. Analyze the Role of Exchange Banks in Financing of Foreign Trade in India.		



The NorthCap University

# **SEMESTER**

# **VI**

The NorthCap University

## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name: Corporate Governance and Sustainability</b>	<b>3. Course Code</b> Code: SML342	<b>4. L- T-P</b> 3-0-0	<b>5. Credits</b> 3
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b>	Odd <input type="checkbox"/> Even <input checked="" type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>		
<b>8. Brief Syllabus:</b> This course will be delivered through a multi-disciplinary approach, using texts from philosophy, history, economics, geography, sociology and political science. The course will provide the analytical tools necessary to study and research business and society with courses that focus on the political, social, and cultural context of business.			
<b>9. Total lecture, Tutorial and Practical Hours for this course (15 weeks)</b>			
<b>Lectures: 45</b>	<b>Tutorials: 0</b>	<b>Practicals: 0</b>	
<b>10. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	To understand the relationship between businesses and impact on society		
<b>CO 2</b>	To understand about the Indian Society		
<b>CO 3</b>	To understand the impact of businesses on society		
<b>CO 4</b>	To understand Sustainable Social Development		
<b>CO 5</b>	To understand India on the Global Stage		

## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name: Indian Economy</b>	<b>3. Course Code</b> Code: SML 309	<b>4. L- T-P</b> 3-0-0	<b>5. Credits</b> 3
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b>	Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>		
<b>8. Brief Syllabus:</b>  This course sets the base for the Economy of India as a whole and precisely it will help students to learn the working of the nation with respect to the micro, macro and International aspects of economics.			

9. Total lecture, Tutorial and Practical Hours for this course (Take 12 teaching weeks per semester)		
Lectures: 24 hours	Tutorials: 12	Practical: 0
<b>10. Course Outcomes (COs)</b>  Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed		
<b>CO 1</b>	Comprehend the Features of Indian economy, Concept of economic growth, economic and human development, economic development, the agrarian scene, industrial structure, demographic conditions, foreign trade and infrastructure.	
<b>CO 2</b>	Understand the Overview of Indian economy planning period (1947-1991), achievements of Indian Five-Year Plans, concept of Public Private Partnership (PPP), Economic reform and Liberalization (post 1991)	
<b>CO 3</b>	Identify the Features, problems and policies with regard to Indian agriculture, Features of Indian Industry, Overview of Service Sector- Transport, IT, Financial Institutions, contribution to Indian economy, role of foreign capital.	
<b>CO 4</b>	Analyze the Overview of current Indian Economic Indicators.  Understand the Budget terminology, types of budget, merger of railway and general budget, benefits of budgeting, flaws in budgeting process, budget analysis	
<b>CO5</b>	Comprehend the Inclusive Growth and issues arising from it, GST, Impact of Globalization and the policies in Indian economy under WTO regime (Overview), Assessment of major government programs and schemes to aid economic development	

## COURSE TEMPLATE

<b>1. Department:</b>	School of Management		
<b>2. Course Name:</b> Economics of Growth & Development	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	Code: SML 346	3-0-0	3
<b>6. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b>	Odd <input checked="" type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>		
<b>Brief Syllabus:</b> This course sets the tone for an understanding of the related concepts of growth and development. It begins with a discussion of alternative conceptions of development and their justification. It then proceeds to aggregate models of growth and cross-national comparisons of the growth experience that can help evaluate these models.			

<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>		
<b>Lectures: 45 hours</b>	<b>Tutorials: NIL</b>	<b>Practical: NIL</b>
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed		
<b>CO 1</b>	Students would have the understanding of the concept of Development and its measures.	
<b>CO 2</b>	Students would possess the knowledge of the basic theories related to economic growth.	
<b>CO 3</b>	Student would be able to understand approaches to economic growth and development.	
<b>CO 4</b>	Student would be able to understand sectoral contribution to economic growth and development	

# **Program Electives**

The NorthCap University

## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name:</b> Agricultural Economics	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	<b>Code:</b> SML347	4-0-0	4
<b>6. Type of Course (Check one):</b>	Programme Core <input type="checkbox"/> Programme Elective <input checked="" type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b>	Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>		
<b>Brief Syllabus:</b> This course explores the economic foundations for public policy analysis related to agricultural issues in rural areas. The emphasis of this course is on concepts and introduction of various tools required for policy analysis and empirical research in agricultural economics. In particular, the course aims to deepen students' understanding of how economic theory can be applied to analyze policy problems of agricultural sectors. This course is suitable for individuals who have strong interest in economic development and agricultural economics, and want to examine these issues with quantitative and econometric methods as a policy analyst.			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures: 60 hours</b>		<b>Tutorials: NIL</b>	<b>Practical: NIL</b>
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Student would be able to apply understand economics of finance		
<b>CO 2</b>	Student would be able to understand some of the basic models used to benchmark valuation of assets and derivatives are studied in detail; these include the CAPM, and the Binomial Option Pricing models.		
<b>CO 3</b>	Student would be able to carry out derivatives and options; forward and futures contracts; options; other derivatives; forward and future prices; stock index futures; interest rate futures; the use of futures for hedging; duration-based hedging strategies; option markets; call and put options; factors affecting option prices; put-call parity; option trading strategies: spreads; straddles; strips and straps; strangles; the principle of arbitrage; discrete processes and the binomial tree model; risk neutral valuation.		
<b>CO 4</b>	Student would be able to understand patterns of corporate financing: common stock; debt; preferences; convertibles; capital structure and the cost of capital; corporate debt and dividend policy; the Modigliani-Miller theorem.		
<b>CO 5</b>	The course ends with a brief introduction to corporate finance.		

## COURSE TEMPLATE

<b>1. Department:</b>	School of Management		
<b>2. Course Name: Industrial Economics</b>	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	Code: SML349	4-0-0	4
<b>6. Type of Course (Check one):</b>	Programme Core <input type="checkbox"/> Programme Elective <input checked="" type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>			
<b>Brief Syllabus:</b> The course aims to give students basic knowledge and skills to continue with advanced studies in industrial economics and management. The objective of the course is therefore to familiarize the student with business management			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
Lectures: 60 hours	Tutorials: NIL	Practical: NIL	
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Understand the basic concepts of Theory of the Firm		
<b>CO 2</b>	To develop an understanding of Investment Decisions		
<b>CO 3</b>	To comprehend Vertically Related Markets and Competition Policy		
<b>CO 4</b>	To develop an application oriented skill for Product market Differentiation and Imperfect Information		
<b>CO 5</b>	To understand the functioning of Indian Industry		



## COURSE TEMPLATE

<b>1. Department:</b>	School of Management		
<b>2. Course Name: Comparative Economic Development</b>	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	Code: SML230	4-0-0	4
<b>6. Type of Course (Check one):</b>	Programme Core <input type="checkbox"/> Programme Elective <input checked="" type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>			
<b>Brief Syllabus:</b> The course will introduce students to the new and evolving field of comparative economics that has emerged from the transition experience and the economics of transition. Before the economics of transition, comparative economics was devoted mostly to the comparison of capitalism and socialism, and in practice mostly to the study of socialist economic systems (central planning, Yugoslav self-management, market socialism...). The transition experience and the economics of transition has shown the importance of the institutions underlying the capitalist system. Comparative economics is now turning to the comparative analysis of institutions of existing capitalist systems and to the historical evolution of those institutions. One third of the course will be devoted to understand the success of the growth process in China.			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
Lectures: 60 hours	Tutorials: NIL	Practical: NIL	
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Understand the basic concepts of new comparative economics		
<b>CO 2</b>	To develop an understanding of The Role of Culture		
<b>CO 3</b>	To comprehend Comparative History		
<b>CO 4</b>	To develop an understanding of China's growth under socialism and under transition, Growing like China. The gradual approach to reform and the flexibility of China's administrative organization		
<b>CO 5</b>	To understand the dual-track liberalization and its properties. Fiscal decentralization and the incentives of bureaucrats		

## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name: Labour Economics</b>	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	<b>Code: SML348</b>	4-0-0	4
<b>6. Type of Course (Check one):</b>	Programme Core <input type="checkbox"/> Programme Elective <input checked="" type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>			
<b>Brief Syllabus:</b> This course is an introduction to labor economics with an emphasis on applied microeconomic theory and empirical analysis. We are especially interested in the link between research and public policy. Topics to be covered include: labor supply and demand, taxes and transfers, minimum wages, immigration, human capital, education production, inequality, discrimination, unions and strikes, and unemployment.			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures: 60 hours</b>		<b>Tutorials: NIL</b>	<b>Practical: NIL</b>
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Understand the basic concepts of Labor Supply		
<b>CO 2</b>	To develop an understanding of Home production and the decision to work; the economics of the family		
<b>CO 3</b>	To comprehend Human capital, education, and training		
<b>CO 4</b>	To develop an understanding of The wage structure and Discrimination		
<b>CO 5</b>	To understand the Unions and bargaining		

## COURSE TEMPLATE

<b>1. Department:</b>	School of Management		
<b>2. Course Name:</b> Economics Of Health & Education	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	Code: SML389	4-0-0	4
<b>6. Type of Course (Check one):</b>	Programme Core <input type="checkbox"/> Programme Elective <input checked="" type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>			
<b>Brief Syllabus:</b> The importance of education and health in improving well being is reflected in their inclusion among the Millennium Development Goals adopted by the United Nations member states, which include among other goals, achieving universal primary education, reducing child mortality, improving maternal health and combating diseases. This course provides a microeconomic framework to analyze, among other things, individual choice in the demand for health and education, government intervention and aspects of inequity and discrimination in both sectors. It also gives an overview of health and education in India.			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
Lectures: 60 hours	Tutorials: NIL	Practical: NIL	
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Understand the Role of Health and Education in Human Development		
<b>CO 2</b>	To develop an understanding of Microeconomic foundations of Health Economics		
<b>CO 3</b>	To comprehend Evaluation of Health Programs		
<b>CO 4</b>	To develop an understanding of Education: Investment in Human Capital		
<b>CO 5</b>	To understand the Education Sector in India: An Overview		

## COURSE TEMPLATE

<b>1. Department:</b>	School of Management		
<b>2. Course Name:</b> Population Studies	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	Code: SML251	4-0-0	4
<b>6. Type of Course (Check one):</b>	Programme Core <input type="checkbox"/> Programme Elective <input checked="" type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>			
<b>Brief Syllabus:</b> The aim of this course is to provide insights into what we know and what we do not know about the mechanisms that have generated population changes and how these changes in population size and composition in turn have influenced the long-term development of society. Student of the course will achieve insight into population dynamics and the history of population movements			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
Lectures: 60 hours		Tutorials: NIL	Practical: NIL
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Understand the Population growth in India and features of Indian Population		
<b>CO 2</b>	To develop an understanding of Theories of population		
<b>CO 3</b>	To comprehend Sources of Demographic data in India		
<b>CO 4</b>	To develop an understanding of Demographic Survey		
<b>CO 5</b>	To understand the Techniques of Analysis		

## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name: Mathematical Economics</b>	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	<b>Code: SML231</b>	4-0-0	4
<b>6. Type of Course (Check one):</b>	Programme Core <input type="checkbox"/> Programme Elective <input checked="" type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>			
<b>Brief Syllabus:</b> This course aims at developing a link between economic theories and mathematics and to develop application oriented skills for solving real life problems. The main topics covered in this course include Theory of Consumer Behaviour: Cardinal and Ordinal utility maximization, Income, substitution and Price effects; Concept of elasticities; Consumer Surplus, Theory of production and Cost: production function-homogeneous and non-homogeneous; properties of Cobb-Douglas, CES and trans log production function, technical progress and production possibility curve; laws of returns to scale; constrained optimization of a producer's surplus, Cost theory: derivation of short and long run cost functions, Price determination in various markets: price determination in perfect competition, monopoly, monopolistic competition, duopoly, Determination of income: classical, Keynesian and IS-LM macro system, working of investment multiplier; Samuelson's super multiplier.			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures: 60 hours</b>	<b>Tutorials: NIL</b>	<b>Practical: NIL</b>	
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Understand the basic concepts of Logical Implications, Sets, Relations, Functions etc.		
<b>CO 2</b>	To develop an understanding of Linear Algebra		
<b>CO 3</b>	To comprehend Standard applications of Optimization		
<b>CO 4</b>	To develop an application oriented skill for Differential Equations		
<b>CO 5</b>	To understand the application of Dynamic Optimization		

## COURSE TEMPLATE

<b>1. Department:</b>	School of Management		
<b>2. Course Name:</b> Financial Economics	<b>3. Course Code</b>	<b>4.</b>	<b>5. Credits</b>
	Code: SML390	4-0-0	4
<b>6. Type of Course (Check one):</b>	Programme Core <input type="checkbox"/> Programme Elective <input checked="" type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b>	Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>		
<b>Brief Syllabus:</b> This course introduces students to the economics of finance. Some of the basic models used to benchmark valuation of assets and derivatives are studied in detail; these include the CAPM, and the Binomial Option Pricing models. The course ends with a brief introduction to corporate finance.			
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
Lectures: 60 hours		Tutorials: NIL	Practical: NIL
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Student would be able to apply understand economics of finance		
<b>CO 2</b>	Student would be able to understand some of the basic models used to benchmark valuation of assets and derivatives are studied in detail; these include the CAPM, and the Binomial Option Pricing models.		
<b>CO 3</b>	Student would be able to carry out derivatives and options; forward and futures contracts; options; other derivatives; forward and future prices; stock index futures; interest rate futures; the use of futures for hedging; duration-based hedging strategies; option markets; call and put options; factors affecting option prices; put-call parity; option trading strategies: spreads; straddles; strips and straps; strangles; the principle of arbitrage; discrete processes and the binomial tree model; risk neutral valuation.		
<b>CO 4</b>	Student would be able to understand patterns of corporate financing: common stock; debt; preferences; convertibles; capital structure and the cost of capital; corporate debt and dividend policy; the Modigliani-Miller theorem.		
<b>CO 5</b>	The course ends with a brief introduction to corporate finance.		

The NorthCap University

# **Finance Electives**

### Course Template

<b>1. Department:</b>	<b>School of Management</b>			
<b>2. Course Name:</b> Insurance and Risk Management	<b>3. Course Code</b>	<b>4. L- T-P</b>	<b>5. Credits</b>	
	<b>Code: SML 392</b>	4-0-0	4	
<b>6. Type of Course (Check one):</b>	Programme Core <input type="checkbox"/> Programme Elective <input checked="" type="checkbox"/> Open Elective <input type="checkbox"/>			
<b>7. Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input checked="" type="checkbox"/>				
<b>Brief Syllabus:</b> The Risk Management and Insurance program is designed to provide students with an understanding of the insurance industry and the current academic and practitioner literature on financial risk management. In this program, students will explore investment and financing policies, as well as pricing and underwriting activities. Students will learn how to measure and manage the types of risks facing financial institutions, corporations, and individuals. This program prepares students for careers in the financial services industry, including insurance companies, banks, securities firms, pension funds.				
<b>8. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>				
<b>Lectures: 60 hours</b>		<b>Tutorials: NIL</b>		<b>Practical: NIL</b>
<b>9. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed				
<b>CO 1</b>	Student would be able to demonstrate the concept and importance of risk and insurance in the world of business.			
<b>CO 2</b>	Student would be able to perform financial analysis in Risk Management Decision Making.			
<b>CO 3</b>	Student would learn about the role of financial institutions and how to determine value of premiums and claims of insurance products.			
<b>CO 4</b>	Student would gain knowledge of various laws governing Insurance in India.			



## COURSE TEMPLATE

<b>1. Department:</b>	<b>School of Management</b>		
<b>2. Course Name: Financial Institutions and Markets</b>	<b>3. Course Code</b>	<b>4. L- T-P</b>	<b>5. Credits</b>
	<b>Code: SML344</b>	4-0-0	4
<b>6. Type of Course (Check one):</b>	Programme Core <input type="checkbox"/> Programme Elective <input checked="" type="checkbox"/> Open Elective <input type="checkbox"/>		
<b>7. Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>			
<b>Brief Syllabus:</b> The basic purpose of this course is to develop a broad understanding of the various markets comprising the Indian Financial System in a global context and the roles played by various institutions in the functioning of this system.			
<b>1. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures: 60 hours</b>		<b>Tutorials: NIL</b>	<b>Practical: NIL</b>
<b>2. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Analyze the role of various markets in financial intermediation		
<b>CO 2</b>	Analyze the roles of various market regulators in Indian Financial System		
<b>CO 3</b>	Identify the principles of operations of financial institutions and the issues faced by them		

## COURSE TEMPLATE

<b>1. Department:</b>	<b>SCHOOL OF MANAGEMENT</b>		
<b>2. Course Name:</b>	<b>3. Course Code</b>	<b>4. L-T-P</b>	<b>5. Credits</b>
SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	SML326	4-0-0	4
<b>6. Type of Course (Check one):</b>	<input type="checkbox"/> Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective		
<b>7. Pre-requisite(s), if any</b> (Mention course code and name)			
➤ Knowledge of fundamentals of financial management SML 516 ➤ Knowledge of financial accounting. SML 515			
<b>8. Frequency of offering (check one):</b>	<input checked="" type="checkbox"/> Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input type="checkbox"/> Every semester		
<b>9. Brief Syllabus:</b>			
This course focuses on financial theory and empirical evidence for making investment decisions. Topics include: 1. portfolio theory; 2. equilibrium models of security prices (including the capital asset pricing model and the arbitrage pricing theory); 3. The empirical behavior of security prices; market efficiency; 4. Performance evaluation; and behavioral finance.			
<b>Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures: 60</b>	<b>Tutorials: NIL</b>	<b>Practical: NIL</b>	
<b>10. Course Outcomes (COs)</b>			
At the completion of the course students will be able to			
<b>CO 1</b>	Evaluate the investment environment for Indian investor for various avenues of investment		
<b>CO 2</b>	Formulate strategies for investment in equities, bonds and other instruments		
<b>CO 3</b>	To learn fundamental and Technical Analysis		
<b>CO 4</b>	Describe the basics of portfolio management		
<b>CO 5</b>	Interpret the evidence relating to market efficiency;		
<b>CO 6</b>	Apply the no-arbitrage principle and single and multiple factor models of the CAPM and APT.		

## COURSE TEMPLATE

<b>1. Department:</b>		<b>School of Management</b>		
<b>Course Name:</b> Financial Reporting and Analysis		<b>2. Course Code</b> Code: SML168	<b>3. L- T-P</b> 4-0-0	<b>4. Credits</b> 4
<b>5. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>			
<b>Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input checked="" type="checkbox"/> Either semester <input type="checkbox"/> Every <input type="checkbox"/> semester				
<b>Brief Syllabus:</b> This course aims to familiarize the students with various accounting concepts, tools and techniques and its application in managerial decision making. It also acquaints the students with the latest accounting practices and reporting standards.				
<b>6. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>				
<b>Lectures:</b> 60 hours		<b>Tutorials:</b> NIL		<b>Practical:</b> NIL
<b>7. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed				
<b>CO 1</b>	Developing skills for interpretation business information and application of financial theory in financing related decisions			
<b>CO 2</b>	To familiarize the students with financial statements and principles underlying them and to develop their skills in reading Annual Reports.			
<b>CO 3</b>	Learn the concept of Financial & Ratio Analysis.			
<b>CO 4</b>	Learn the concept of Fund Flow and Cash Flow Statements			
<b>10. UNIT WISE DETAILS No. of Units:</b> 04				
<b>Unit Number: 1      No. of Lectures: 15      Title: Significant Accounting Policies, Accounting Standards</b> <b>Content Summary:</b> Meaning, objectives, principles and environment of financial reporting; Introduction to Accounting Standards issued by ICAI, US GAAPs, International Accounting Standards, IFRS, Applicability of various accounting standards, comparison and the process of harmonization, Certain Special Features of Corporate Accounting.				
<b>Unit Number: 2      No. of Lectures: 15      Title: Form and Contents of Financial Statements and Interfaces with Companies Act</b> <b>Content Summary:</b> Creative Accounting and Implications thereof. Analyzing and Interpreting Financial Statements-Techniques, Concepts and objectives. Tools of Financial Analysis-Trend analysis, common size statements, comparative statements, Ratio Analysis-Liquidity, solvency, profitability, turnover ratios				
<b>Unit Number: 3      No. of Lectures: 15      Title: Fund Flow</b> <b>Content Summary:</b> Introduction, Meaning of Funds Flow Statement, Ascertainment of flow of funds, Technique of preparing funds flow statement, Schedule of Changes in Working Capital, Adjusted Profit and Loss account, Funds Flow Statement.				
<b>Unit Number: 4      No. of Lectures: 15      Title: Cash Flow</b> <b>Content Summary:</b> Introduction, Meaning of Cash Flow Statement, Purpose of Cash Flow Statement, Preparation of Cash Flow Statement, Format of Cash Flow Statement (AS3: Revised Method) , Cash Flow from Operating Activities, Cash Flow Statement under Direct Method, Different between Cash Flow Analysis and Fund Flow Analysis, Uses of Cash Flow Statement.				

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# **Research Analysis**

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## COURSE TEMPLATE

<b>1. Department:</b>	<b>SCHOOL OF MANAGEMENT</b>		
<b>2. Course Name:</b>	<b>3. Course Code</b>	<b>4. L-T-P</b>	<b>5. Credits</b>
FUNDAMENTALS OF SPREADSHEET MODELING	SML399	4-0-0	4
<b>6. Type of Course (Check one):</b>	<input type="checkbox"/> Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective		
<b>7. Pre-requisite(s), if any</b> (Mention course code and name)			
Statistics & Research Methodology I & II			
<b>8. Frequency of offering (check one):</b>	<input type="checkbox"/> Odd <input type="checkbox"/> Even <input checked="" type="checkbox"/> Either semester <input type="checkbox"/> Every semester		
<b>9. Brief Syllabus:</b>			
In this course, student will learn how to structure, analyze, and solve business decision problems on Excel spreadsheets. The focus will be on problems involving optimal resource allocation and risk analysis for decisions involving uncertainty; some data analysis and forecasting methods. While the underlying concepts, models, and methods of this course are mathematical in nature, we will develop them on a more intuitive and user-friendly platform of spreadsheets, analyze them using the available Excel commands, tools, and add-ins, perform sensitivity analyses of the solutions, and study their economic interpretations.			
<b>Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures: 60</b>	<b>Tutorials: NIL</b>	<b>Practical: NIL</b>	
<b>10. Course Outcomes (COs)</b>			
Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed			
<b>CO 1</b>	Student would be able to demonstrate different functionalities of EXCEL worksheets.		
<b>CO 2</b>	Student would be able to demonstrate the usage of basic and advance functions available in EXCEL.		
<b>CO 3</b>	Student would be able to perform basic and some advanced statistical analysis in EXCEL.		
<b>CO 4</b>	Student would be able to use EXCEL Solver and Monte Carlo Simulation in EXCEL for solving analytical problems.		

## COURSE TEMPLATE

<b>1. Department:</b>	<b>SCHOOL OF MANAGEMENT</b>		
<b>2. Course Name:</b>	<b>3. Course Code</b>	<b>4. L-T-P</b>	<b>5. Credits</b>
INTRODUCTION TO STATISTICAL PROGRAMMING WITH R	SML391	4-0-0	4
<b>6. Type of Course (Check one):</b>	<input type="checkbox"/> Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective		
<b>7. Pre-requisite(s), if any</b> (Mention course code and name)			
Statistics & Research Methodology I & II			
<b>8. Frequency of offering (check one):</b>	<input type="checkbox"/> Odd <input type="checkbox"/> Even <input checked="" type="checkbox"/> Either semester <input type="checkbox"/> Every semester		

<b>9. Brief Syllabus:</b>		
Over the recent years, R language has become the leading software tool for statistical computing and graphics. The software is greatly enhanced by numerous contributed packages submitted by users. The purpose of this course is to set a foundation for full exploitation and creative use of the statistical language for computing and graphics in R. In this course, student will learn to program in R and how to effectively use R for statistical computing. The course emphasis is on data manipulation and basic statistical analysis. Students will identify appropriate statistical methods for the data or problems and conduct their own analysis using R environment.		
<b>Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>		
<b>Lectures:</b> <u>60</u>	<b>Tutorials:</b> NIL	<b>Practical:</b> NIL
<b>10. Course Outcomes (COs)</b>		
Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed		
<b>CO 1</b>	Student would be able to demonstrate various R commands and packages in R for data exploration, data manipulation and data preparation.	
<b>CO 2</b>	Student would be able to perform basic statistical analysis and different plots in R.	
<b>CO 3</b>	Student would be able to perform advanced statistical analysis in R software.	

## COURSE TEMPLATE

<b>1. Department:</b>		<b>SCHOOL OF MANAGEMENT</b>	
<b>2. Course Name:</b>	<b>3. Course Code</b>	<b>4. L-T-P</b>	<b>5. Credits</b>
FUNDAMENTALS OF DATA VISUALIZATION	SML398	4-0-0	4
<b>6. Type of Course (Check one):</b>	<input type="checkbox"/> Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective		
<b>7. Pre-requisite(s), if any</b> (Mention course code and name)			
Statistics & Research Methodology I & II			
<b>8. Frequency of offering (check one):</b>	<input type="checkbox"/> Odd <input type="checkbox"/> Even <input checked="" type="checkbox"/> Either semester <input type="checkbox"/> Every semester		
<b>9. Brief Syllabus:</b>			
Data visualization provides one means of combating information overload, as a well-designed visual encoding can supplant cognitive calculations with simpler inferences and improve comprehension, memory, and decision making. Furthermore, visual representations may help engage more diverse audiences in the process of analytic thinking. Students will get acquainted with the essential and practical skills necessary to communicate information about data clearly and effectively through graphical means. The students will be taught this course with R software and tableau. The main topics covered in the course are introduction to tableau, basic visualization designs, data connection charts, interactive charts, tableau maps, calculated fields, table calculations and statistics, creating dashboard, sharing visualizations.			
<b>Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>			
<b>Lectures:</b> <u>60</u>	<b>Tutorials:</b> NIL	<b>Practical:</b> NIL	

<b>10. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed	
<b>CO 1</b>	Demonstrate the use of Tableau and R for data visualization by plotting basic and advanced charts and graphs.
<b>CO 2</b>	Effectively organize the data and build the dashboards.
<b>CO 3</b>	Effectively work with large data sets and integrate Tableau with R

## COURSE TEMPLATE

<b>1. Department:</b>		<b>School of Management</b>		
<b>Course Name:</b> Forecasting Methods		<b>2. Course Code</b> Code: SML 396	<b>3. L- T-P</b> 4-0-0	<b>4. Credits</b> 3
<b>5. Type of Course (Check one):</b>	Programme Core <input type="checkbox"/>	Programme Elective <input checked="" type="checkbox"/>	Open Elective <input type="checkbox"/>	
<b>Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input type="checkbox"/> Either semester <input checked="" type="checkbox"/> Every semester <input type="checkbox"/>				
<b>Brief Syllabus:</b> The course focuses on time series analysis with view towards model-based prediction. Basic skills in statistics and computing with R are a prerequisite, a previous course in econometric analysis of linear time series is desirable although by no means necessary. The modeling and computational methodology developed in the course applies to a wide range of scientific fields, including engineering, environmental sciences, biochemistry, natural language processing, but in this course we concentrate on applications to economics and finance, such as the extraction of stochastic business cycles and volatility prediction using daily and intraday high-frequency data. The aim of the course is to train the skills and the understanding of building, fitting, checking, and predicting with sophisticated linear and non-linear time series models. Additionally, to study the structure and the empirical characteristics of certain financial time series.				
<b>6. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>				
<b>Lectures:</b> 60 hours		<b>Tutorials:</b> NIL		<b>Practical:</b> NIL
<b>7. Course Outcomes (COs)</b> Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed				
<b>CO 1</b>	To understand basics of Times Series			
<b>CO 2</b>	To apprehend Linear Time Series			
<b>CO 3</b>	Identify appropriate Volatility Modeling			
<b>CO 4</b>	Apply various models in Conditional Return Distribution and Value–At–Risk.			
<b>CO 5</b>	To have complete knowledge on Covariance Modeling			

## COURSE TEMPLATE



<b>1. Department:</b>		<b>School of Management</b>		
<b>Course Name:</b> Fundamentals of Data Visualization		<b>2. Course Code</b>	<b>3. L- T-P</b>	<b>4. Credits</b>
		<b>Code: SML 398</b>	4-0-0	3
<b>5. Type of Course (Check one):</b>	Programme Core <input checked="" type="checkbox"/> Programme Elective <input type="checkbox"/> Open Elective <input type="checkbox"/>			
<b>Frequency of offering (check one):</b> Odd <input type="checkbox"/> Even <input checked="" type="checkbox"/> Either semester <input type="checkbox"/> Every semester <input type="checkbox"/>				
<b>Brief Syllabus:</b> This course is all about data visualization, the art and science of turning data into readable graphics. Data visualization is an essential skill required in today's data driven world. We'll explore how to design and create data visualizations based on data available and tasks to be achieved. The goal of this course is to introduce students to data visualization including both the principles and techniques. Students will learn the value of visualization, specific techniques, and understand how to best leverage visualization methods. This process includes data modeling, data processing (such as aggregation and filtering), mapping data attributes to graphical attributes, and strategic visual encoding based on known properties of visual perception as well as the task(s) at hand. Students will also learn to evaluate the effectiveness of visualization designs, and think critically about each design decision, such as choice of color and choice of visual encoding.				
<b>6. Total lecture, Tutorial and Practical Hours for this course (Take 15 teaching weeks per semester)</b>				
<b>Lectures: 60 hours</b>		<b>Tutorials: NIL</b>		<b>Practical: NIL</b>
<b>7. Course Outcomes (COs)</b>				
Possible usefulness of this course after its completion i.e. how this course will be practically useful to him once it is completed				
<b>CO 1</b>	Present data with visual representations for your target audience, task, and data			
<b>CO 2</b>	Create multiple versions of digital visualizations using various software packages			
<b>CO 3</b>	Identify appropriate data visualization techniques given particular requirements imposed by the data			
<b>CO 4</b>	Apply appropriate design principles in the creation of presentations and visualizations.			
<b>CO 5</b>	To have complete knowledge on data Reduction			

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