



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
Shri Vaishnav School of Management

Choice Based Credit System (CBCS) in Light of NEP-2020
BBA+MBA - V SEMESTER (2021-2024)

BBAI501 HUMAN VALUES AND PROFESSIONAL ETHICS

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL		L	T	P	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
BBAI501	CC	Human Values and Professional Ethics	60	20	20	-	-	3	-	-	3

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical: C - Credit; CC- Core Course

*Teacher Assessment shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

Course Objective

The objective of the course is to disseminate the theory and practice of moral code of conduct and familiarize the students with the concepts of “right” and “good” in individual, social and professional context

Examination Scheme

The internal assessment of the students’ performance will be done out of 40 Marks. The semester Examination will be worth 60 Marks. The question paper and semester exam will consist of two sections A and B. Section A will carry 36 Marks and consist of 5 questions, out of which student will be required to attempt any three questions. Section B will comprise of one or more cases / problems worth 24 marks.

Course Outcomes

1. Help the learners to determine what action or life is best to do or live.
2. Right conduct and good life.
3. To equip students with understanding of the ethical philosophies, principles, models that directly and indirectly affect business.

COURSE CONTENT

Unit I: Human Value

1. Definition, Need for Human Values, Sources of Values
2. Essence of Values
3. Classification of Values (Temporal Values, Universal Values)
4. Values Across Culture

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Unit II: Morality

1. Morality its meaning and definition
2. Values Vs Ethics Vs Morality
3. Concept of Impression Management
4. Impression Management Strategies (Intimidation, Ingratiation, Self-promotion, Supplication, Exemplification)

Unit III: Leadership in Indian Ethical Perspective.

1. Leadership, Pre-requisites of Leadership
2. Approaches to Leadership, Leadership Styles
3. Ethical Leadership
4. Values in Leadership

Unit IV: Business Ethics

1. Business Ethics its meaning and definition
2. Relevance of Ethics in Business organizations.
3. Theories of Ethics (Teleological, Deontological)
4. Code of Ethics

Unit V: Globalization and Ethics

1. Globalization and Business Changes
2. Values for Global Managers
3. Corporate Social Responsibility
4. Benefits of Managing Ethics in Work Place.

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Suggested Readings

1. Kaur, T. (2004). *Values and Ethics in Management*. Galgotia Publishing Company: New Delhi
2. Kaushal, S.L. (2006). *Business Ethics. Concepts, Crisis and Solutions*. Deep & Deep Publications Pvt. Ltd.: New Delhi
3. Beteille, Andre (1991). *Society and Politics in India*. AthlonePress: New Jersey.
4. Chakraborty, S. K. (1999). *Values and Ethics for Organizations*. Oxford University Press
5. Fernando, A.C. (2009). *Business Ethics - An Indian Perspective*. India: Pearson Education: India
6. Fleddermann, C. D. (2012). *Engineering Ethics*. New Jersey: Pearson Education / Prentice Hall.
7. Boatright, J.R. (2012). *Ethics and the Conduct of Business*. Pearson. Education: New Delhi.
8. Crane, A. and Matten, D. (2015). *Business Ethics*. Oxford University Press Inc: New York.
9. Murthy, C.S.V. (2016). *Business Ethics – Text and Cases*. Himalaya Publishing House Pvt. Ltd: Mumbai
10. Naagrajan, R.R (2016). *Professional Ethics and Human Values*. New Age International Publications: New Delhi.

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Name of the Program: B. Sc. (Plain)

SUBJECT CODE	Category	SUBJECT NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL		Th	T	P	CREDITS
			END SEM	MST	Q/A	END SEM	Q/A				
BSMA403	DC	Analytical Geometry of three dimensions	60	20	20	-	-	4	0	-	4

Course Objective

To introduce the students with the Fundamentals of the Analytical Geometry of three dimensions.

Course Outcomes

This course will enable the students to:

- 1. Understand and solve problems of the straight lines.*
- 2. Discuss about the concepts of the planes, Straight lines.*
- 3. Solve the problems on the spheres and their tangent planes.*
- 4. Justify the concepts of the right circular cones.*

Course Content

UNIT – I

Rectangular Cartesian co-ordinates: Distance between two points. Division of a line segment in a given ratio. Direction cosines and direction ratios of a straight line. Projection of a line segment on another line. Angle between two straight lines.

UNIT – II

Equation of a Plane: General form. Intercept and Normal form. Angle between two planes. Signed distance of a point from a plane. Bisectors of angles between two intersecting planes.

UNIT – III

Equations of Straight line: General and symmetric form. Distance of a point from a line. Coplanarity of two straight lines. Shortest distance between two skew-lines.

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			END SEM	MST	Q/A	END SEM	Q/A				
BSMA403	DC	Analytical Geometry of three dimensions	60	20	20	-	-	4	0	-	4

UNIT – IV

Sphere and its tangent plane.

UNIT – V

Right circular cone.

Texts:

1. Co-ordinate Geometry – S. L. Loney.
2. Co-ordinate Geometry of Three Dimensions – Robert J. T. Bell.
3. Elementary Treatise on Conic sections – C. Smith.
4. Solid Analytic Geometry – C. smith.
5. Higher Geometry – Efimov.

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			THEORY			PRACTICAL		Th	T	P	CREDITS
			END SEM	MST	Q/A	END SEM	Q/A				
BSMA405	DC	Modern Algebra	60	20	20	-	-	4	0	-	4

Course Objective

To introduce the students with the Fundamentals of the Modern Algebra.

Course Outcomes

This course will enable the students to:

- 1. Understand and solve problems of the classical set theory.*
- 2. Learn about the fundamental concepts of groups, subgroups.*
- 3. Apply the techniques of the ring and field theory.*
- 4. Demonstrate real vector spaces, subspaces, basis, dimension and their properties.*
- 5. Apply the concepts of the algebra of matrices.*

Course Content

UNIT – I

Basic concept: Sets, Sub-sets, Equality of sets, Operations on sets: Union, intersection and complement. Verification of the laws of Algebra of sets and De Morgan's Laws. Cartesian product of two sets. Mappings, One-One and onto mappings. Composition of Mappings—concept only, Identity and Inverse mappings. Binary Operations in a set. Identity element. Inverse element.

UNIT – II

Introduction of Group Theory: Definition and examples taken from various branches (examples from number system, roots of unity, 2×2 real matrices, non-singular real matrices of a fixed order). Elementary properties using definition of Group. Definition

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			END SEM	MST	Q/A	END SEM	Q/A				
BSMA405	DC	Modern Algebra	60	20	20	-	-	4	0	-	4

and examples of sub-group – Statement of necessary and sufficient condition – its applications.

UNIT – III

Definitions and examples of (i) Ring, (ii) Field, (iii) Sub-ring, (iv) Subfield.

UNIT – IV

Concept of Vector space over a Field: Examples, Concepts of Linear combinations, Linear dependence and independence of a finite set of vectors, Sup-space. Concepts of generators and basis of a finite-dimensional vector space. Problems on formation of basis of a vector space (No proof required).

UNIT – V

Real Quadratic Form involving not more than three variables – Problems only. Characteristic equation of a square matrix of order not more than three –determination of Eigen Values and Eigen Vectors – Problems only. Statement and illustration of Cayley-Hamilton Theorem.

Texts:

1. Modern Algebra – Surjeet Singh & Zameruddin.
2. First Course in Abstract Algebra – Fraleigh.
3. Topics in Algebra – Herstein.
4. Test book of algebra – Leadership Project Committee (University of Bombay).
5. Elements of Abstract Algebra – Sharma, Gokhroo, sainsi (Jaipur PublishingHouse, S.M.S. Highway, Jaipur - 3).
6. Abstract Algebra – N. P. Chaudhuri (Tata Mc.Graw Hill).
7. Linear Algebra – Hadley

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Shri Vaishnav Institute of Computer Applications

Name of Program: B.Sc. (Computer Science)

Subject Code	Category	Subject Name	Teaching & Evaluation Scheme								
			Theory			Practical		L	T	P	CREDITS
			End Sem University Exam	Two Term Exam	Teacher Assessment	End Sem University Exam	Teacher Assessment				
BSCS404	Compulsory	Database Management System	60	20	20	0	0	3	0	0	3

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Course Education Objectives (CEOs):

- To provide a sound introduction to the discipline of database management as a subject in its own right, rather than a compendium of techniques and product specific tools.
- To give a good formal foundation on the relational model of data.
- To present SQL and procedural interfaces to SQL comprehensively.
- To give an introduction to systematic database design approaches covering conceptual design, logical design and an overview of physical design.
- To introduce the concepts of transactions and transaction processing.

Course Outcomes (COs):

- Design any Desktop application using an entity relationship diagrams (ERD) to express requirements and demonstrates skills to model data requirements and create data models.
- Understanding of database systems theory in order to apply that knowledge to any particular database implementation using Structured Query Language (SQL).
- To learn and understand various Database Architectures and Applications.
- Develop an ability to remove data redundancy by translating created relational model into normalized designs.

UNIT-I

Introduction: An overview of database management system, database system Vs file system, Characteristics of database approach, DBMS architecture, data models, schema and instances, data independence.

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UNIT II

Data Modelling using Entity Relationship Model: Entity, Entity types, entity set, notation for ER diagram, attributes and keys, Concepts of composite, derived and multivalued attributes, Super Key, candidate key, primary key, relationships, relation types, weak entities, enhanced E-R and object modelling, Sub Classes:, Super classes, inheritance, specialization and generalization.

UNIT – III

Introduction to SQL: Overview, Characteristics of SQL. Advantage of SQL, SQL data types and literals.

Types of SQL commands: DDL, DML, DCL. Basic SQL Queries.

Logical operators: BETWEEN, IN, AND, OR and NOT

Null Values: Disallowing Null Values, Comparisons Using Null Values

Integrity constraints: Primary Key, Not NULL, Unique, Check, Referential key Introduction to Nested Queries, Correlated Nested Queries, Set-Comparison Operators, Aggregate Operators: The GROUP BY and HAVING Clauses.

UNIT – IV

Relational Data Model: Relational model terminology domains, Attributes, Tuples, Relations, characteristics of relations, relational constraints domain constraints, key constraints and constraints on null, relational DB schema. Codd's Rules.

Relational algebra: Basic operations selection and projection, Set Theoretic operations Union, Intersection, set difference and division,

Joins: Inner joins, Outer Joins, Left outer, Right outer, full outer joins. Overview of views and indexes.

UNIT V

ER to relational Mapping: Data base design using ER to relational language.

Data Normalization: Functional dependencies, Armstrong's inference rule, Normal form up to 3rd normal form.

TEXT BOOKS:

1. R. Elmars and SB Navathe, "Fundamentals of Database Systems", Pearson, 6th ed.
2. Singh S.K., "Database System Concepts, design and application", Pearson Education
3. Ramakrishnan and Gherke, "Database Management Systems", TMH.

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2. Jim Melton, Alan Simon, "Understanding the new SQL: A complete Guide", MorganKaufmann Publishers, 1993.
3. A.K. Majumdar, P. Battacharya, "Data Base Management Systems", TMH, 1996.
4. Bipin Desai, "An Introduction to database Systems", Galgotia Publications, 2012.

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BSCL407	Compulsory	DBMS Lab	0	0	0	30	20	0	0	4	2

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- To learn and understand various Database Architectures and Applications.
- Develop an ability to remove data redundancy by translating created relational model into normalized designs.

LIST OF PRACTICALS:

1. To study DDL-create and DML-insert commands.
2. Create the given table (table will be given in lab hours) and insert the data accordingly.
3. Insert, Select Commands, Update and Delete Commands.
4. To study various options of LIKE predicate in the created table.
5. To perform various data manipulation commands, aggregate functions and sorting concept on all created tables.
6. To study single row functions.
7. To make use of different clauses viz. where, groupby, having, order by, union, intersection, set difference.
8. To use oracle functions viz. aggregate, numeric, converison, string functions.
9. Displaying data from Multiple Tables (join).

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10. To apply the concept of Aggregating Data using Group functions.

11. To solve queries using the concept of sub query.

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