ABHILASHI UNIVERSITY

COURSE BROCHURE FOR VALUE ADDED COURSES

2020-21

CONTENTS

Remedial Mathematics

Duration of the Course: 30 hrs.

Objective:

1. Know the theory and their applications in Pharmacy
2. Solve different types of problems by applying theory

Outcome:

1. This is an introductory course in mathematics.
2. This subject deals with the introduction to Partial fraction, Logarithm, matrices and Determinant, Analytical geometry, Calculus, differential equation and Laplace transform

Course Content:

1. Equations Reducible to Quadratic Equations
2. Determinants
3. Matrices
4. Functions, Limit and Continuity
5. Differentiation & Integration
6. Trigonometry

Remedial Biology
Duration of the Course: 30 hrs

Objective:

1. To learn and understand the components of living world, structure and functional system of plant and animal kingdom

Outcome:

1. Understand the basic components of anatomy & physiology of plant
2. Know & understand the basic components of anatomy & physiology of animals with special reference to human beings
3. Make aware the students to understand and learn about various tissue systems and organ systems in plants and animals

Course Content:

1. Introduction and Scope
2. System of Classification
3. Plant cell
4. Cell division
5. Plant tissues
6. Plant Morphology
7. Parasites

Computer Applications in Pharmacy

Duration of the Course: 30 hrs

Objective:

1. This subject deals with the introduction Database, Database Management system, computer application in clinical studies and use of databases

Outcome:

1. Apply the knowledge of mathematics and computing fundamentals to pharmaceutical applications for any given requirement
2. Integrate and apply efficiently the contemporary IT tools to all Pharmaceutical related activities
3. Solve and work with a professional context pertaining to ethics, social, cultural and regulations with regard to Pharmacy

Course Content:

1. Fundamentals of Computer
2. Operating System
3. Data Communication and Networks
4. Programming Languages
5. Computer Virus
6. Ms Office Package
7. Spreadsheet Package
8. Presentation Package

Biodiversity and Wild Life

Duration of the Course: 30 hrs

Objective:

1. To Inculcate the spirit of resource conservation and love for nature
2. To conduct field studies and different projects of local and global interests.
3. To provides opportunities for professional and personal development through curricular and cocurricular activities.
4. Provide consultancy and organize extension activities

Outcome:

1. To understand quantitative approaches and technologies involved in research.
2. To identify diversity of fauna on earth and implement conservation measures to save diversity
3. To understand importance of wildlife and conservation measures, National parks and Sanctuaries.
4. Analyse biological data mathematically and statistically

Course Content:

1. Quantitative biology, Distribution of the data in biology
2. Probability distribution, properties and probability theory
3. Biodiversity - concept and principal of biodiversity
4. Wildlife of India, types of wildlife
5. Wildlife and conservation

Fundamental of Genetics

Duration of the Course: 30 hrs

Objective:

1. To impart knowledge to the students on the ultrastructure of cell and cell organelles, principles of genetics and their applications in plant breeding for improving agricultural productivity

Outcome:

1. Understand the basic concepts of the ultrastructure of cell, cell organelles, chromosomes and nucleic acids.
2. Apply the principles of inheritance to plant breeding
3. Acquaint with the fundamentals of chromosomal and cytoplasmic inheritance
4. Sex determination, mutations, chromosomal aberrations and Gene concept: Gene structure, function and regulation

Course Content:

1. Pre and Post Mendelian concepts of heredity
2. Monohybrid, dihybrid,trihybrid,test cross & back cross
3. Cell division: mitosis & meiosis
4. Experiment on epistatic interactions
5. Sex determination, sex linkage, sex limited and sex influenced traits
6. Study on sex linked inheritance in Drosophila
7. Blood group, Linkage and its estimation

Communication Skills and Personality Development

Duration of the Course: 30 hrs

Objective:

1. To develop students' knowledge of communication skills in the structure, elucidation, and delivery of message in diverse cultural and global communities; and
2. To promote theoretical understanding and professional/personal practice of effective and ethical human communication between and within a broad range of contexts and communities

Outcome:

1. Introspect & develop a planned approach towards his career & life in general.
2. Have clarity on his career exploration process and to match his skills and interests with a chosen career path.
3. Explain the use of functional and chronological resume.
4. Develop thinking ability and polish his expression in group discussions.
5. Be prepared for the personal interview through mock interviews while being aware of the various kinds of interviews.

Course Content:

1. Structural and functional grammar;meaningand processof communication, verbal and nonverbal communication; listening and note taking.
2. Writing skills, oral presentation skills
3. Reading and comprehension of general and technical articles
4. Individual and group presentations

Human Values and Professional Ethics
Duration of the Course: 30 hrs

Objective:

1. To create an awareness on Ethics and Human Values.
2. To study the moral issues and decisions confronting individuals and organizations engaged in profession.
3. To study the related issues about the moral ideals, character, policies, and relationships of people and corporations involved in technological activity

Outcome:

After completion of the course the student is able to:

1. Learn the moral issues and problems in engineering/Pharmacy; find the solution to those problems.
2. Learn the need for professional ethics, codes of ethics and roles, concept of safety, risk assessment.
3. Gain exposure to Environment Ethics & computer ethics; know their responsibilities and rights

Course Content:

1. Introduction to Human Values and Ethics Human Values
2. Introduction to Ethical Concepts: Definition of industrial ethics and values, Ethical rules of industrial worker- Values and Value Judgment.
3. Workplace Rights and Responsibilities Professional Responsibility
4. Ethics in Global Context and Global Issues
5. Social Experimentation
6. Moral Rights and Moral rule

Comprehension & Communication Skills in English

Duration of the Course: 30 hrs

Objective:

1. Analyze and restate the meaning of a text in English
2. Demonstrate the skill to write in English without grammatical error
3. Develop the ability to speak English language with the right way of pronunciation

Outcome:

1. Apply the right way of pronunciation through the knowledge of phonetics
2. Recognize the meaning of new words based on contextual comprehension
3. Develop the ability to restate a text in simpler terms

Course Content:

1. Comprehension
2. Comprehension: Reading Comprehension
3. Synonyms, List of synonyms, Antonyms
4. Verbal Ability
5. Vocabulary and Reading Comprehension
6. Functional Grammar, Tenses, Active voice and Passive voice
7. Homophones
8. Precis Writing, Summarizing
9. Interviews & Group Discussions

Entrepreneurship Development and Business Communication

Duration of the Course: 30 hrs

Objective:

1. Entrepreneurship Development and Bussiness Communication programme provides the cutting-edge knowledge and skills on how to successfully develop captivating products and services to solve challenging problems in a highly uncertain environment, often under considerable time constraints with very limited resources

Outcome:

1. Understand different methods to assess the attractiveness of business opportunities
2. Characterizes an attractive business opportunity and common pitfalls during the entrepreneurial process
3. The most effective processes in bringing different types of products or services to market

Course Content:

1. Concept of entrepreneur, entrepreneurship development, characteristics of entrepreneurs
2. SWOT Analysis & achievement motivation
3. Business leadership skills
4. Developing managerial skills
5. Business leadership skills (communication, direction and motivation skills)
6. Impact of economic reforms on agribusiness/ agrienterprises

Library and Information Services
Duration of the Course: 30 hrs

Objective:

1. Design and develop knowledge-organization systems
2. Create reader's advisory resources to encourage young students to develop a lifelong love of reading and learning

Outcome:

1. Integrate theory with practice
2. Analyze information needs to create solutions by applying a variety of tools and technologies
3. Ensure the organization, accessibility, and management of library and information resources
4. Course helps in learning about the general tools techniques and principles about the administration of human resources

Course Content:

1. Foundations of library and information science
2. Information sources and services
3. Management of library and information
4. Library cataloguing
5. Library Administration
6. Library and information technology
7. Library classification practical
8. Library cataloguing practical

E Course on Disaster Management
Duration of the Course: 30 hrs

Objective:

1. The objective of this course is to introduce the fundamental concepts of hazards and disaster management

Outcome:

1. Define and use various terminologies in use in disaster management parlance and organise each of these terms in relation to the disaster management cycle
2. Distinguish between different hazard types and vulnerability types and do vulnerability assessment
3. Explain the core elements and phases of Disaster Risk Management and develop possible measures to reduce disaster risks across sector and community

Course Content:

1. Hazard types and hazard mapping
2. Disaster risk assessment –approaches, procedures
3. Disaster response- objectives, requirements
4. Participatory stakeholder engagement;
5. Common disaster types in India

ABHILASHI UNIVERSITY

COURSE BROCHURE FOR VALUE ADDED COURSES

2019-20

Sl No	Name of Value-Added Course
1	Remedial Mathematics
2	Remedial Biology
3	Computer Applications in Pharmacy
4	Biodiversity and Wild Life
5	Fundamental of Genetics
6	Communication Skills and Personality Development
7	Human Values & Ethics
8	Comprehension & Communication Skills in English
9	Entrepreneurship Development and Business Communication
10	Library and Information Services

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5. Library Administration
6. Library and information technology
7. Library classification practical
8. Library cataloguing practical

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COURSE BROCHURE FOR VALUE ADDED COURSES

2018-19

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8. Presentation Package

Workshop Technology

Duration of the Course: 30 hrs

Objective:

1. The subject aims at imparting knowledge and skill components in the field of basic workshop technology.
2. It deals with different hand and machine tools required for manufacturing simple metal components and articles

Outcome:

1. Practice workshop safety rules effectively
2. Acquire knowledge and use simple hand tools
3. Acquire knowledge and use simple measuring and gauging instruments
4. Operate simple drilling machines for producing small holes

Course Content:

1. General safety Considerations
2. Hand Working Operations
3. Measuring and Gauging
4. Drills and Drilling Processes
5. Machine Tools
6. Material Properties
7. Sheet Metal Works
8. Foundry Practice
9. Metal Joining
10. Workshop Practice

Biodiversity and Wild Life

Duration of the Course: 30 hrs

Objective:

1. To Inculcate the spirit of resource conservation and love for nature
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ABHILASHI UNIVERSITY

COURSE BROCHURE FOR VALUE ADDED COURSES

2017-18

CONTENTS

Remedial Mathematics

Duration of the Course: 30 hrs.

Objective:

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Objective:

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2016-17

CONTENTS

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Environmental Study & Disaster Management

Duration of the Course: 30 hrs

Objective:

1. Capability to identify relevant environmental issues, analyse the various underlying causes, evaluate the practices and policies, and develop framework to make informed decisions

Outcome:

1. Understand the natural environment and its relationships with human activities
2. Characterize and analyze human impacts on the environment.
3. Integrate facts, concepts, and methods from multiple disciplines and apply to environmental problems.
4. Capacity to integrate knowledge and to analyse, evaluate and manage the different public health aspects of disaster events at a local and global levels.

Course Content:

1. Multidisciplinary nature of environmental studies Definition, scope and importance
2. Natural Resources
3. Ecosystems
4. Biodiversity and its conservation
5. Environmental ethics
6. Natural Disasters

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