

Agnihotri College of Pharmacy,
Bapuji Wadi, Sindi (Meghe), Wardha, (MS)



CRITERION 1.3.1

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**List and description of courses which address
the Professional Ethics, Gender, Human
Values, Environment and Sustainability into
the Curriculum**



A handwritten signature in blue ink, appearing to read "Prof. P. S. Patil".

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List and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

| Sr. No. | Course/Subject Name | Gender | Environmental sustainability | Human values | Professional Ethics |
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| | <p>BP101T. HUMAN ANATOMY AND PHYSIOLOGY-I (Theory)</p> <p>BP107P. HUMAN ANATOMY AND PHYSIOLOGY (Practical)</p> | <p>This subject is designed to impart fundamental knowledge on the structure and functions of the various systems of the human body. It also helps in understanding both male and female body to support issues regarding gender equality. Introduction to human body Definition and scope of anatomy and physiology, levels of structural organization and body systems, basic life processes, homeostasis, basic</p> | | | |

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| | | anatomical terminology. | | |
| 3 | BP103T. PHARMACEUTICS- I (Theory) | | This course is designed to impart a fundamental knowledge on the preparatory pharmacy with arts and science of preparing the different conventional dosage forms | Gives understanding about the professional way of handling the prescriptions. profession of Pharmacy in India in relation to pharmacy education, industry and organization, Pharmacy as a career |
| 4 | BP105T.COMMUNICATION SKILLS (Theory) | | | This course will prepare the young pharmacy student to interact effectively with doctors, nurses, dentists, physiotherapists and other health workers. At the end of this course the student will get the soft skills set to work cohesively with the team as a team player and will add value to the pharmaceutical business. |
| 5 | BP111P.COMMUNICATION SKILLS (Practical) | | | |

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| 6 | BP 106RBT.REMEDIAL BIOLOGY (Theory) | <p>Human reproduction</p> <ul style="list-style-type: none"> • Parts of female reproductive system • Parts of male reproductive system • Spermatogenesis and Oogenesis • Menstrual cycle | <p>To learn and understand the components of living world, structure and functional system of plant and animal kingdom</p> | | |
| 7 | BP 201T. HUMAN ANATOMY AND PHYSIOLOGY-II (Theory) | <p>Anatomy of male and female reproductive system, Functions of male and female reproductive system, sex hormones, physiology of menstruation, fertilization, spermatogenesis, oogenesis, pregnancy and parturition</p> | | <p>This subject is designed to impart fundamental knowledge on the structure and functions of the various systems of the human body. It also helps in understanding both homeostatic mechanisms. The subject provides the basic knowledge required to understand the various disciplines of pharmacy. Practical physiology is complimentary to the theoretical discussions in</p> | |
| 8 | BP 207 P. HUMAN ANATOMY AND PHYSIOLOGY (Practical) | | | | |

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| | | | | <p>physiology. Practicals allow the verification of physiological processes discussed in theory classes through experiments on living tissue, intact animals or normal human beings. This is helpful for developing an insight on the subject</p> | |
| 9 | BP 204T.PATHOPHYSIOLOGY (THEORY) | | | | <p>Pathophysiology is the study of causes of diseases and reactions of the body to such disease producing causes. This course is designed to impart a thorough knowledge of the relevant aspects of pathology of various conditions with reference to its pharmacological applications, and understanding of basic</p> |

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| | | | | pathophysiological mechanisms. Hence it will not only help to study the syllabus of pathology, but also to get baseline knowledge required to practice medicine safely, confidently, rationally and effectively. |
| 10 | BP205 T. COMPUTER APPLICATIONS IN PHARMACY (Theory) | | | This subject deals with the introduction Database, Database Management system, computer application in clinical studies and use of databases |
| 11 | BP210P. COMPUTER APPLICATIONS IN PHARMACY (Practical) | | | |
| 12 | BP 206 T. ENVIRONMENTAL SCIENCES (Theory) | | Environmental Sciences is the scientific study of the environmental system and the status of its inherent or induced changes on organisms. It includes not only the study of physical and biological characters of the environment | |

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| | | | but also the social and cultural factors and the impact of man on environment. | | |
| 13 | BP 303 T. PHARMACEUTICAL MICROBIOLOGY (Theory) | | Study of all categories of micro - organisms especially for the production of alcohol antibiotics, vaccines, vitamins enzymes etc.. | | |
| 14 | BP 307P.PHARMACEUTICAL MICROBIOLOGY (Practical) | | | | |
| 15 | BP 404 T. PHARMACOLOGY-I (Theory) | | | The main purpose of the subject is to understand what drugs do to the living organisms and how their effects can be applied to therapeutics. The subject covers the information about the drugs like, mechanism of action, physiological and biochemical effects (pharmacodynamics) as well as absorption, distribution, metabolism and excretion | |
| 16 | BP 408 P .PHARMACOLOGY-I (Practical) | | | | |

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| | | | | (pharmacokinetics) along with the adverse effects, clinical uses, interactions, doses, contraindications and routes of administration of different classes of drugs. | |
| 17 | BP 405 T.PHARMACOGNOSY AND PHYTOCHEMISTRY I (Theory) | | | The subject involves the fundamentals of Pharmacognosy like scope, classification of crude drugs, their identification and evaluation, phytochemicals present in them and their medicinal properties. | |
| 18 | BP408 P. PHARMACOGNOSY AND PHYTOCHEMISTRY I (Practi | | | | |
| 19 | BP503.T. PHARMACOLOGY-II (Theory) | | | This subject is intended to impart the fundamental knowledge on various aspects (classification, mechanism of action, therapeutic effects, clinical uses, side | |
| 20 | BP 507 P. PHARMACOLOGY-II (Practical) | | | | |

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| | | | | effects and contraindications) of drugs acting on different systems of body and in additional ,emphasis on the basic concepts of bioassay. | |
| 21 | BP504 T. PHARMACOGNOSY AND PHYTOCHEMISTRY II (Theory) | | | | |
| 22 | BP 508 P. PHARMACOGNOSY AND PHYTOCHEMISTRY II (Practical | | | The main purpose of subject is to impart the students the knowledge of how the secondary metabolites are produced in the crude drugs, how to isolate and identify and produce them industrially. Also this subject involves the study of producing the plants and phytochemicals through plant tissue culture, drug interactions and basic principles of traditional system of medicine | |

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| 23 | BP 505 T. PHARMACEUTICAL JURISPRUDENCE (Theory |  | | | <p>This course is designed to impart basic knowledge on important legislations related to the profession of pharmacy in India. The main objectives of this course are</p> <ol style="list-style-type: none">1. The Pharmaceutical legislations and their implications in the development and marketing of pharmaceuticals.2. Various Indian pharmaceutical Acts and Laws3. The regulatory authorities and agencies governing the manufacture and sale of pharmaceuticals4. The code of ethics during the |
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| | | | | | pharmaceutical practice |
| 24 | BP 605 T. PHARMACEUTICAL BIOTECHNOLOGY (Theory) | <ul style="list-style-type: none">• Biotechnology has a long promise to revolutionize the biological sciences and technology.• Scientific application of biotechnology in the field of genetic engineering, medicine and fermentation technology makes the subject interesting.• Biotechnology is leading to new biological revolutions in diagnosis, prevention and cure of diseases, new and cheaper pharmaceutical drugs.• Biotechnology has already produced transgenic crops | | | |

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| | | <p>and animals and the future promises lot more.</p> <ul style="list-style-type: none"> • It is basically a research-based subject. | | | |
| 25 | BP606TPHARMACEUTICAL QUALITY ASSURANCE (Theory) | | | | This course deals with the various aspects of quality control and quality assurance aspects of pharmaceutical industries. It deals with the important aspects like cGMP, QC tests, documentation, quality certifications and regulatory |
| 26 | BP 702 T. INDUSTRIAL PHARMACYII (Theory) | | | | This course is designed to impart fundamental knowledge on pharmaceutical product development and translation from laboratory to market |
| 27 | BP 703T. PHARMACY PRACTICE (Theory) | | | In the changing scenario of pharmacy practice in India, for | |

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| | | | | successful practice of Hospital Pharmacy, the students are required to learn various skills like drug distribution, drug information, and therapeutic drug monitoring for improved patient care. In community pharmacy, students will be learning various skills such as dispensing of drugs, responding to minor ailments by providing suitable safe medication, patient counselling for improved patient care in the community set up | |
| 28 | BP801T. BIOSTATISTICS AND RESEARCH METHODOLOGY (Theory | | | | To understand the applications of Biostatistics in Pharmacy. This subject deals with descriptive statistics, Graphics, |

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| | | | | <p>Correlation, Regression, logistic regression Probability theory, Sampling technique, Parametric tests, Non Parametric tests, ANOVA, Introduction to Design of Experiments, Phases of Clinical trials and Observational and Experimental studies, SPSS, R and MINITAB statistical software's, analysing the statistical data using Exce</p> |
| 29 | BP 802T SOCIAL AND PREVENTIVE PHARMACY | | | <p>The purpose of this course is to introduce to students a number of health issues and their challenges. This course also introduced a number of national health programmes. The roles of the pharmacist in these</p> |

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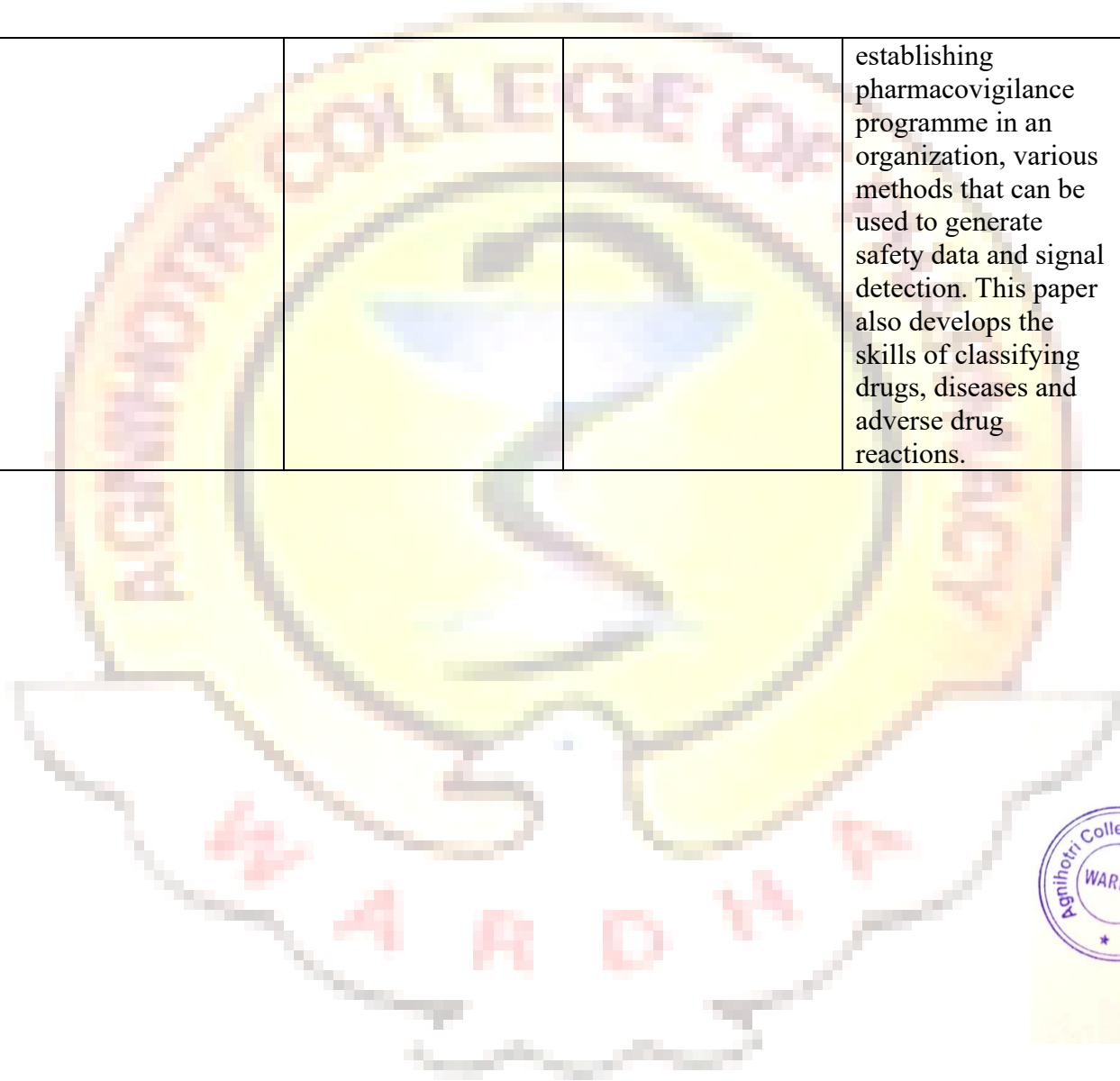
| | | | | | |
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| | | | | contexts are also discussed. | |
| 30 | BP803ET. PHARMA MARKETING MANAGEMENT (Theory) | | | | The pharmaceutical industry not only needs highly qualified researchers, chemists and, technical people, but also requires skilled managers who can take the industry forward by managing and taking the complex decisions which are imperative for the growth of the industry. The Knowledge and Know-how of marketing management groom the people for taking a challenging role in Sales and Product management |
| 31 | BP804 ET: PHARMACEUTICAL REGULATORY SCIENCE (Theory) | | | | This course is designed to impart the fundamental knowledge on the regulatory |

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| | | | | requirements for approval of new drugs, and drug products in regulated markets of India & other countries like US, EU, Japan, Australia,UK etc. It prepares the students to learn in detail on the regulatory requirements, documentation requirements, and registration procedures for marketing the drug products. |
| 32 | BP 805T: PHARMACOVIGILANCE (Theory | | | This paper will provide an opportunity for the student to learn about development of pharmacovigilance as a science, basic terminologies used in pharmacovigilance, global scenario of Pharmacovigilance, train students on |

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| | | | establishing pharmacovigilance programme in an organization, various methods that can be used to generate safety data and signal detection. This paper also develops the skills of classifying drugs, diseases and adverse drug reactions. | |
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