

Details of Programme Outcome

S.No.	Department	Details	Link
1	University Institute of Pharmaceutical Sciences	<p>UIPS, Panjab University, Chandigarh, consistently among the top three pharmacy Institutes in the country, attracts the best B Pharm, M Pharm, Ph D and post-doctoral students across the country. The students here are exposed to an amalgamation of high-quality academics and vibrant sports and cultural environment. Students get ample opportunities to unfold their talent, versatility and skills during their stay in the Institute. The M. Pharm. students also work on a 12 month professionally relevant research project. The world-class research ambience, institute-institute and institute-industry interdisciplinary research collaborations, and par-excellence faculty enable the students of UIPS to out-perform their competing graduates. Time and again our students prove that their technical knowledge is much beyond the boundaries of defined curricula. We at UIPS endeavour to empower our graduates with an overall growth that shapes their personalities to be good citizens with high professional ethics. Seventy-five years of excellence at UIPS has culminated in illustrious alumni, contributing in all facets of the pharmacy profession both at the national and the global level. We at UIPS provide the industry/academia with trained minds that can significantly contribute to the growth of the organization, and also, the nation. We have recently set up a UGC sponsored Career Counselling forum for Pharmacy professionals and an Institute Innovation Cell at the behest of MHRD. We value our partnership with recruiters and intend to synergize the potential of our students with their requirements. We welcome you to our Institute and promise to provide you with a wholesome experience and a step towards building future partnerships.</p>	

2	University Institute of Hotel and Tourism Management	<p>To nurture in students professional and managerial excellence, social and cultural sensitivity, moral and ethical responsibility with a conscious concern for the environment. To create avenues for the promotion of knowledge and foster opportunities for learning. To undertake collaborations with apex tourism and hospitality bodies/agencies/ organisations both in India and abroad for facilitating the professionalization of hotel management and tourism education; establishing enterprising partnerships with industry, commerce as well as with other institutions that are both mutually beneficial and productive for society. To develop and sustain world-class, scientific research and foster the values which students need to excel, ensuring that they are fully equipped for the world of work. To empower students to carve out successful careers for themselves and to connect them with the changing scenario of the economy and its socio- cultural environs. To render specialized training to undergraduate/graduates/post graduates/industry professionals in tourism and hospitality related subjects. To meet the growing demand of hospitality, tourism and travel industry for professionally trained manpower. To undertake educational programmes and to organize courses of studies, lectures, seminars, symposia and conferences etc. on various aspects of hospitality, tourism and travel sector. To provide continuing educational opportunities and facilities on various aspects of tourism and hospitality industry. To extend advice/suggestions for promotion and development of tourism in the country.</p>	https://puchd.ac.in/includes/syllabus/2018/20180712130752-bhmct.pdf?202005103302
3	Department of Ancient Indian History, Culture & Archaeology	<p>Our post graduate course in Ancient Indian History, Culture and Archaeology equips our students to either go for research work in the above fields, as well as prepare them with sufficient knowledge to enter various industries like Tourism and Culture besides specialized government departments like Archaeological Survey of India etc. The course work is comprehensive and structured in such a manner that exams and interviews for specialized government and non-government based institutes can be cleared by our students. The M.Phil and Ph.D course work of our department is intensive and exhaustive and prepares our scholars to keep up with latest research methodologies in our discipline. Moreover many of our research scholars have been absorbed in the teaching profession at the graduate level.</p>	https://puchd.ac.in/syllabus-old.php

4	Department of Gandhian and Peace Studies	<ul style="list-style-type: none"> • The Course is designed to acquaint the students with the Life and Work of Mahatma Gandhi and also to make them understand how M.K. Gandhi transformed from a lawyer to a Mahatma? and the significance of Gandhian Values in the Globalized World • To sensitize the students to the field of Peace Studies and Conflict Resolution • To make them understand Hind Swaraj, Autobiography and Constructive Work of Mahatma Gandhi and Swaraj Shastra by Vinoba Bhave. • To sensitize the students to the concern and efforts made by Mahatma Gandhi for Ecology and Sustainable Development. • To acquaint the students with the role played by Mahatma Gandhi in the Freedom Movement and to sensitize the students with the Social, Political and Economic Ideas of Mahatma Gandhi. • To sensitize the students with the legacy of Peace Building with special reference to Mahatma Gandhi, Martin Luther King Jr., Daisaku Ikeda and Khan Ghaffar Khan. And also to make the students understand the evolution, growth and needs of Human Rights. • to sensitize the students to the need of Human Security and Disaster Management in the Contemporary World and make the students understand the need for Rural Development and concern of Mahatma Gandhi for the same and to acquaint the students with the rural environment, village reconstruction and allied problems, to create awareness among people about these issues and initiate and encourage people's participation in the management of some of their own problems. 	
5	Department of Statistics	The Department of Statistics at Panjab University has an excellent infrastructure for the teaching and research activities at M.Sc., M.Phil. and Ph.D. levels. The courses are designed to develop a class of analytic and inferential aptitude among the students through rigorous practical assignments along with exposure to industries.	http://statistics.puchd.ac.in/
6	Centre for System Biology & Bioinformatics	Systems Biology and Bioinformatics is an interdisciplinary program offering substantial training in both the biological sciences and the physical and mathematical sciences; our program emphasizes the integration of computer science with biology. A foundation in biology, computer science, and statistics provides the basis for developing and applying computational methods to test biological hypotheses. Students attracted to this program have dual interests in computer science and biology and find it an excellent choice for their broad interests. Students who complete this program either enter the top graduate programs in bioinformatics or the life sciences in the world, enter leading professional schools (including law school, medical school, or dental school), or find employment in biotechnology, pharmaceutical, or software development companies.	

7	Department of Philosophy	<p>Master's Course in Philosophy offers foundational subjects in 1st and 2nd Semesters that help students to understand the core discipline and it also help students to clear their U.G.C. National test as UGC primarily courses on these foundational subjects. In 3rd and 4th Semester two foundational subjects and 5 optional papers out of which students are required to opt only two of their choice. Depending upon the optional papers adopted by student they pursue their M.Phil/Ph.D. reseach by making their specialisation in the areas of their particular interest. the Department of Philosophy is all set to offer PG Diploma Course in Cognitive Science which will open wider avenues for its takers and shall open avenues for the students to the field of sciences, industry and even quality tool production strategies.</p>	
8	Dr SS Bhatnagar University Institute of Chemical Engg. & Tech.	<p>Bachelor of Engineering(Chemical Engineering) (Aiming towards Excellence) The graduates of 4 year chemical engineering programme find employment as process engineers, production engineers and design engineers in chemical process and allied industries. The graduates pursue higher studies in various institutions in India and abroad and also find opportunities in R & D organizations in areas of process design and development of chemical engineering products and thus strive for lifelong learning. The graduates possess effective communication skills and abilities to work and lead in multi- disciplinary teams, possess professional aptitude and ethics. Bachelor of Engineering(Food Technology) The graduates of 4 year Food Technology program find employment as Graduate Engineer trainee, Production Engineers, Quality Assurance Executive, Food Safety Officer and Design Engineers in food industries. The graduates also find employment opportunities in R & D organizations in area of food product development and process design food products The graduates pursue higher studies in various institutions in India and abroad and strive for lifelong learning. The graduates possess effective communication skills and abilities to work and lead in multi cultural and multi-disciplinary teams with professional attitude and ethics.</p>	http://uicet.puc hd.ac.in/objectives.php
9	Centre for Medical Physics	Course Outcomes	
10	Centre for Public Health	Course Outcomes	

11	Department Cum National Centre for Human Genome Studies & Research	Human Genomics Programme is a new and a unique initiative by this department for Panjab University. The outcome of Master's programme is mainly towards creation of scientific human resource and development in the field of genomics/genome biology. Our students are also routinely involved in clinical research organizations and various private sector industries involved in research in life sciences.	
12	Department of Zoology	Objectives of teaching a paper have been given at the start of the syllabus of that particular paper. Pdf files have been uploaded for the same.	
13	Department of Computer Science & Applications	After passing MCA and M.Sc.(H.S. in Computer Science) being offered by department, the students must be able 1. To apply the knowledge of mathematics, accounting, programming and computing fundamentals to solve real world challenging problems in diverse domains 2. To communicate effectively and present as well as comprehend technical information in oral and written form for various purposes 3. To work efficiently and effectively as member/ leader of a team on multi disciplinary projects to exhibit computing and management skills 4. To develop habit of incessant learning for career development and progress as a dynamic computer professional 5. To analyze research literatures to identify, formulate, design and interpret complex research issues 6. To apply moral and ethical principles in professional as well as personal life 7. To apply the inherent skills as a successful entrepreneur 8. To design and develop software applications with specific considerations for societal, cultural and environmental aspects	
14	Centre for Nanoscience and Nanotechnol ogy	1. Scholarship of Knowledge: Acquire in-depth knowledge of specific discipline or professional area, including wider and global perspective, with an ability to discriminate, evaluate, analyze and synthesize existing and new knowledge, and integration of the same for enhancement of knowledge. 2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. 3. Problem Solving: Think laterally and originally, conceptualize and solve engineering problems, evaluate a wide range of potential solutions for those problems and arrive at feasible, optimal solutions after considering public health and safety, cultural, societal and environmental factors in the core areas of expertise. 4. Research Skill: Survey and experiments, apply appropriate research methodologies, techniques and tools, design, conduct experiments, analyze and interpret data, demonstrate higher order skill and view things in a broader	

		perspective, contribute individually/in group(s) to the development of scientific/technological knowledge in one or more domains of engineering. 5.Ethical Practices and Social Responsibility: Acquire professional and intellectual integrity, professional code of conduct, ethics of research and scholarship, consideration of the impact of research outcomes on professional practices and an understanding of responsibility to contribute to the community for sustainable development of society.	
15	Department of Economics	<p>B.A(HONS.) SEMESTER-I CO1 INTRODUCTORY MICROECONOMICS, CO2 MATHEMATICAL METHODS FOR ECONOMICS-I CO3 ENVIRONMENT STUDIES CO4 FUNDAMENTALS OF SOCIOLOGY CO5 STATISTICAL METHODS CO6 ALGEBRA</p> <p>B.A (HONS.) SEMESTER-II CO1 INTRODUCTORY MACROECONOMICS CO2 MATHEMATICAL METHODS FOR ECONOMICS-II CO3 ENGLISH COMMUNICATION CO4 SOCIAL STRATIFICATION CO5 INTRODUCTORY PROBABILITY CO6 DIFFERENTIAL EQUATIONS</p> <p>B.A(HONS.) SEMESTER-III CO1 INTERMEDIATE MICROECONOMICS-I CO2 INTERMEDIATE MACROECONOMICS-I CO3 STATISTICAL METHODS FOR ECONOMICS CO4 DATA SOURCES-I CO5 INDIAN SOCIETY: IMAGES AND REALITIES CO6 BASIS OF STATISTICAL INFERENCE CO7 CALCULUS</p> <p>B.A (HONS.) SEMESTER-IV CO1 INTERMEDIATE MICROECONOMICS-II CO2 INTERMEDIATE MACROECONOMICS-II CO3 INTRODUCTORY ECONOMETRICS CO4 DATA SOURCES-II CO5 RETHINKING DEVELOPMENT CO6 APPLIED STATISTICS CO7 REAL ANALYSIS</p> <p>B.A(HONS.) SEMESTER-V CO1 INDIAN ECONOMY-I CO2 DEVELOPMENT ECONOMICS-I CO3 ECONOMICS OF PUBLIC FINANCE CO4 INTERNATIONAL ECONOMICS</p> <p>B.A(HONS.) SEMESTER-VI CO1 INDIAN ECONOMY-II CO2 DEVELOPMENT ECONOMICS-II CO3 HISTORY OF ECONOMIC THOUGHT CO4 ECONOMICS OF INDUSTRY</p> <p>M.A (HONS. SCHOOL) SEMESTER-I CO1 ADVANCED MICRO ECONOMIC THEORY CO2 ADVANCED MACROECONOMIC THEORY CO3 ECONOMETRIC APPLICATIONS-I CO4 CONTEMPORARY ISSUES IN PUBLIC POLICY</p> <p>M.A (HONS. SCHOOL) SEMESTER-II CO1 RESEARCH METHODOLOGY CO2 ECONOMETRICS APPLICATIONS-II CO3 ADVANCED INDUSTRIAL ECONOMETRICS CO4 MONEY AND BANKING</p> <p>M.A (HONS. SCHOOL) SEMESTER-III EACH STUDENT WOULD BE REQUIRED TO SUBMIT A PROJECT REPORT TO THE TOPIC/THEME ASSIGNED BY THE HOST ORGANISATIONS ALLOTTED BY THE DEPARTMENT.</p> <p>M.A (HONS. SCHOOL) SEMESTER-IV CO1 ADVANCED DEVELOPMENT ECONOMICS CO2 ADVANCED AGRICULTURAL ECONOMICS CO3 INTERNATIONAL TRADE</p>	https://puchd.ac.in/includes/syllabus/2018/20180718112717-b.a.honsineconomicsbcbsindependt.pdf?202010410302

		<p>AND TRADING SYSTEM CO4 LAW AND ECONOMICS M.A. SEMESTER-I CO1 MICRO ECONOMICS-I CO2 CONTEMPORARY ISSUES IN INDIAN ECONOMY-I CO3 QUANTITATIVE METHODS-I CO4 ECONOMICS OF PUBLIC FINANCE M.A. SEMESTER-II CO1 MICRO ECONOMICS-II CO2 CONTEMPORARY ISSUES IN INDIAN ECONOMY-II CO3 QUANTITATIVE METHODS-II CO4 INTERNATIONAL ECONOMICS M.A. SEMESTER-III CO1 MACRO ECONOMICS-I CO2 ECONOMICS OF GROWTH AND DEVELOPMENT-I CO3 ECONOMICS OF AGRICULTURE-I CO4 ECONOMICS OF INDUSTRY-I CO5 BASIC ECONOMETRICS CO6 ECONOMICS OF POPULATION OR ECONOMICS OF HUMAN RESOURCE DEVELOPMENT CO7 HISTORY OF ECONOMIC THOUGHT M.A. SEMESTER-IV CO1 MACRO ECONOMICS-II CO2 ECONOMICS OF GROWTH AND DEVELOPMENT-II CO3 ECONOMICS OF AGRICULTURE-II CO4 ECONOMICS OF INDUSTRY-II CO5 MATHEMATICAL ECONOMICS CO6 ECONOMICS OF MONEY AND BANKING OF ECONOMICS OF FINANCIAL MARKETS AND INSTITUTIONS CO7 ADVANCED ECONOMETRICS</p>	
16	Department of Community Education & Disability Studies	<p>The Department is established in 2007 on the basis of its earlier background of catering to the academic needs of various flagship programmes initiated by government of India from time- to- time in the states of Punjab, Himachal Pradesh, Chandigarh (UT) with the objective of University reaching out to the Community.Pre pares human resource to work as Community Organizers and special educators for the growth of individuals, community and society at large. The department is running three courses- M.A, B.Ed and Ph. D. M.A (Community education and Development) has lot of significance because of its varied, multidisciplinary and intersect oral approach. The various papers like Indian social structure, human resource development, urbanization and slums, corporate social responsibility, population and health education, panchayat raj institution, life long learning etc help students to have knowledge in various fields and enhance their perspectives. these post graduate students get exposure to work at grass root level and visit slum and urban centers also. in their project work they are expected to work in fields and take up research work in their respective areas. this helps in enhancing their knowledge at the empirical level both in quantitative and qualitative analysis/ research. similarly in case of B.Ed Special Education (Learning Disability) the course comes under the aegis of Rehabilitation Council of India and follow the rules of regulation. apart from classroom teaching the students are exposed to teaching learning practice, visit special schools and special lectures organised for them. all the students of our B.Ed Special education (L.D) course are well placed.</p>	

		Presently, there are following students pursuing Ph.D in various Areas of Community Education and Disability Studies.	
17	Department of Mathematics	The Department of Mathematics, Panjab University, Chandigarh offers rigorous UG and PG courses. Our UG course provides an orientation of a wide range of essential courses in Mathematics. It even consists of some advanced courses, which are normally a part of PG courses in most universities and institutes. The purpose of such a rigorous exercise is to ensure that a wide variety of mathematical reasoning is delivered at an early stage. As a result, every year a large number of our UG students get enrolled into institutes of national/international repute. The department has its own legacy, as it has produced some mathematicians of international repute. They established its masters' program, which is one of its kind in the region. It offers a choice from a variety of research oriented courses. Various students from the department have been settled on research and faculty positions in the institutes of national/international repute. Apart from Mathematics, many of our past students have made successful careers in engineering, finance, banking, bureaucracy and various other facets of the corporate world. The students of the department run a Math Club, which conducts monthly seminars and/or quizzes. It provides a common platform to students, research scholars and faculty.	
18	Centre for Nuclear Medicine	1. All the students cleared national level Radiation safety officer examination conducted by BARC, Mumbai 2. 100% placement as Medical physicists and Radiological Safety Officers in renowned Institutes/Hospitals	
19	Department of Political Science	The department faculty and researchers have been working on the issues related to identities both primordial, cultural and modern along with the issues of development with focus on India.	
20	Department of Public Administration	The students of Masters' course are assessed both internally and externally. The internal assessment is carried out through snap tests, mid semesters, assignments, class participation and attendance. The external assessment is carried out through the centralized examination system and the results of both internal and external examinations combined together is declared by the office of the Controller	

		of Examinations, Panjab University, Chandigarh which is communicated to the students through Panjab University official website and gazette notification.	
21	Centre For Stem Cell Tissue Engineering & Biomedical Excellence	The Centre provides an excellent opportunity to the students to make their career in the field of stem cell biology by pursuing M.Sc. degree course in Stem cell and Tissue Engineering. The course module of the subjects have been planned so as to equip the students both with the sound background in the theoretical as well as experimental aspects of the stem cell and tissue engineering. Additionally, the students will also learn the laboratory management programs and various ethical issues that concern the stem cell and tissue engineering research. The students will be encouraged to build up their research acumen by developing individualized projects using different types of stem cells, experimental approaches and human disease models (rodents). It is envisioned that the postgraduates of this program will be able to integrate readily into the scientific workforce in stem cell research to meet the needs of highly qualified technical and managerial personnel in stem cell and tissue engineering. After completion of the course work students can opt their careers as research scientists, professionals in universities, hospitals, industry, or could also opt for their private ventures.	
22	Institute Of Educational Technology & Vocational Education	The objective of the Institute is to prepare prospective secondary school teachers, who are dedicated & committed to teaching profession, socially aware & concerned, morally upright and spiritually oriented. The focus of this four year course is to provide quality teacher education through a rigorous, consistent and comprehensive programme equipping with theoretical knowledge and practical pursuits.	
23	University Institute of Engineering & Technology	Course Outcomes of all subjects are defined that are aligned with Program Outcomes. Program Outcomes are further mapped to Program Educational Objectives. All these information is displayed on 1. Website of department 2. Class rooms. 3. Laboratories 4. Curriculum	

24	Department of Sanskrit	<p>As the department is running only one course i.e. M.A. in Sanskrit. The department faculty puts all its efforts for the 100% results every year. Faculty discuss problems of the students regularly and monthly meetings are arranged, where faculty have a formal conversation with the students and took high notice of the matters pointed out by the students. This makes a high coordination and bonding between the student and teacher. Research Scholars also participate in these events and try to solve the problems, if any, of these students as early as possible. The Research Scholars also help their junior students in their studies. The atmosphere of the department is student friendly. The mode of communication regarding any news related to students is as follows: 1. Department Notice Board 2. Department Whatsapp Group Message 3. Displaying hardcopy on the department Notice Board Course Outcomes Most of the time the course outcome is 100% every year. The result of the students is displayed in the department on NOTICE BOARD.</p>	<p>http://skt@pu.ac.in (department site), www.puchd.ac.in (Main University website)</p>
25	Department of Library & Information Science	<p>To provide students an understanding of the basic principles and fundamental laws of Library and Information Science ; to enable them to understand and appreciate the functions and purpose of the libraries and information centers; to professionally train them in diverse area of librarianship; to educate them the philosophy of librarianship, basic principles and management of library and information centers; to enable them to understand and appreciate the functions and purposes of library and information centers in the changing social cultural, technological and economic environment; to provide them the knowledge of Information Technology (IT) and its application in library and information activities; to train them in the advanced skills of information knowledge, gathering, processing, organization and retrieval; to train them in information knowledge analysis, repackaging and marketing; to provide them thorough understanding of IT applications in information environment including networks and communication systems; to train them in the analysis, planning and management of the systems of library and information centers; to provide an understanding of research methods and activities of research organizations.</p>	<p>http://libraryscience.puchd.ac.in/objectives.php</p>