Panjab University, Chandigarh

Metric 2.6.1 Additional Information

The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process

Department	Details	Link for any additional information	Link of Course Outcomes
Centre for Human Rights & Duties	Course Objectives This course introduces the student to the theoretical, conceptual, historical and other general aspects of human rights and duties. It provides an overview of the United Nations human rights architecture and offers basic knowledge regarding the work of various UN human rights mechanisms such as Human Rights Council, Office of High Commissioner of Human Rights (OHCHR) etc. This course focuses on the normative and institutional aspects of human rights and duties against the backdrop of the politico-social reality in India. It discusses a conceptual perspective of self-determination, evolution of ideas of nationalism and impact of social, religious and ecological reform movements in promoting human rights in India. It offers insights on the Constitution with special regard to human rights and duties, role of civil society in protecting and generating awareness about human rights violations along with implementation mechanisms and problems faced with regard to enforcement of human rights. This course also focus on the status of the vulnerable sections in contemporary Indian society such as children, women, aged, persons with disabilities, displaced people, labourers and disadvantaged sections of the Indian society such as the Scheduled Castes and Tribes, and other minority communities. It elaborates the international norms on protection under the Indian Constitution, special laws and policies, role of NGOs and the institutional mechanisms for their protection in India. It also covers the conceptual and substantive aspects of humanitarian problems of armed conflict and refugees. It seeks to highlight the impact and role of development with special reference to globalization and Transnational Corporations on human rights and the interrelationship between environment and human rights and duties. It also contains some conceptual aspects of impact of science and technology on human life and society. It further focuses on certain specific human rights issues such as right to human dignity, freedom of information, thought and expression; and rights to food, health, development, clean environment and peace. It also covers the critical areas of human rights and duties such as criminal justice system where the legal system is tested on a continuous basis for preservation of peace and security in the society. This course equips students with human rights advocacy skills which	https://humanrights.puchd.ac.in/	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome61dbe69867a1d2.79588811.pdf

	generates awareness and helps them in seeking redressal for grievances about issues of public interest. It also includes some basic understanding of research techniques which are further used for fieldwork intervention and acquisition of first- hand knowledge on human rights and duties.		
Centre for Nanoscience and Nanotechnology	Vision 1. To Develop the Centre for Advance Study in Nanoscience and Nanotechnology 2. To Make the Centre One of the Leading Academic Centre in Research and Innovation Through Proactive Collaboration with Premier Research Institute in India as well as Worldwide. Mission 1. Start the courses in the emerging area of nanoscience, material science and other integrated courses as per UGC guidelines. 2. To generate skilled manpower to excel in their career and in the area of research, academic, industry and to pursue higher studies in reputed universities and research laboratories in India and abroad. 3. Participatory learning and regular upgradation of pedagogy with improvement in knowledge (every 3-4 year). Program Outcomes (PO) 1. To develop and proclaim knowledge of nanoscience, nanotechnology, material science, theoretical and computational studies under different nanoscience and nanotechnology specialization. 2. To enable student to apply and learn different skills that are helpful to them in research work or future studies like learning of nanomaterials and device modelling software's and related scientific equipment's. 3. To teach ethical values for both social and academic. Program Specific Outcomes (PSO) 1. Student are able to apply for project, internship and research associate and as research scholar also show their project work which is suitable to communicate in conferences and workshops. 2. Through both theoretical as well as experimental research work training of the students one able to think analytic and critically. 3. To access study materials, through presentations, make student capable enough to use of power point presentation and also get hand on experience of using software like Origin, MATLAB and VASP etc. 4. Students handle independent research project as part of academic curriculum. 5. Research projects are carried out in-house or at external research laboratories or industries as per the choice of students.	https://nsnt.puchd.ac.in/	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62be9b2b18b9d2.04071513.pdf
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		
Centre for Police Administration	Program Outcome The programmes in Police Administration have been conceived with a view to expose the students to the recent changes in the global, national and local environments and their implications for police administration; provide knowledge about universal developments in the theoretical and practical aspects of police administration; enable the students to understand and appreciate police administration from citizens perspective; and provide an opportunity to make use of information technology, quantitative and qualitative research methods and computer applications in the area of police administration. The programmes in Police Administration aims to produce quality human resources for the direct recruitment in the Police Departments of various	https://policeadministration.puchd.ac.in/includes/courses/56.pdf https://policeadministration.puchd.ac.in/includes/courses/281.pdf	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62c6897d6e9052.25500256.pdf

	States and Union Territories as well as various Central Police Organizations such as BSF, CRPF, ITBP, CRPF, CISF, SSB etc. and promotional avenues for the in service police personnel. Further, the programmes intends to conduct research on various contemporary policing problems and give solutions to run the police organizations efficiently. Also the programme helps in connecting the community with the police agencies and provides an opportunity to bring police and public close to each other and helps in improving the image of the police. There are 19 courses including one field work based project report in Masters Programme. The student's required to complete 64 credit hours in total. Programme Specific Outcome There are four courses which are offered in the first semester and five (the student has to choose four) in the second semester which are compulsory for all the students. In the third semester there are five courses including one field work based project report (optional) and in the fourth semester again there are five (the student has to choose four) courses. Field-work Based Project Report In order to give practical insights, students of the Centre are required to prepare a field-work based Project Report for the successful completion of M.A. Course. It is offered in the third semester as an optional paper and all those students who opt for this project report have to work on a policing issues under the supervision of faculty member at the centre and provide research based solutions. Internship The students of the Centre are attached with Chandigarh Police to give them a firsthand experience of the functioning of the Police. The students of the centre after completing their second semester are sent to Chandigarh Police for a week where they are exposed to the working of police. Workshops/Special Lectures During the programme the students gets an opportunity of interaction with serving/retired police officers as they are invited for delivering special lectures on regular basis. Educational Trips The students of the centre visit various police training academies and other police institutions to get practical exposure of working of police. Sports Meet Organizing sports meet is a regular feature during the programme and provides an opportunity to participate in sports activities. Extra co-curricular Activities Students are given chance to participate in extra co-curricular activities such as debate, quiz, Fresher's and Farewell functions which helps in overall personality development of the students.		
Centre for Social Work	The Centre for Social Work has planned various field work activities as the part of the curriculum and various programmes throughout the year. The planning and evaluating skills have been enhanced at the departmental administrative level and at the field work interventions part. The generic learning outcome of the center was the knowledge and understanding regarding different communities and the sensitivity of the vulnerable strata of the society. Students are provided with the enabling environment to interact with different non – governmental organizations, governmental organization those who are working for the developmental and welfare of the society. Various National and International days are being marked such as World	https://socialwork.puchd.ac.in/includes/noticeboard/2021/2021 12061246 24-2019-202020-21courseoutcomesmsw.pdf?20	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome61cc04bb59c457.88689693.pdf

	Environment day, International Youth Day, International Yoga Day, etc. With the courses being offered at the department, certain learning outcomes can be stated as follows: 1. Acculturating students to the social work profession including its history, purpose, values, code of ethics, and commitment to social service. 2. Providing students with the professional foundations, including broad knowledge and ethical use of skills, needed for competent, beginning level, social work practice within micro or macro systems and with a variety of client populations. 3. Helping students understand the context of social work practice including agency and organizational dynamics, policy development, and the impact of these on clients and workers. 4. Increasing awareness of and sensitivity to oppression and oppressed populations. 5. Developing students' understanding of discrimination and its impact and to encourage them to make interventions for equality. 6. Promoting self-awareness and the enhancement of student's capacity to know themselves and to use self effectively and appropriately within a professional context including: critical thinking, accepting responsibility for continued growth and development, learning to communicate effectively. 7. Providing a practice model for working with client systems that uses a process of problem identification, assessment, data collection, goal setting, contracting, intervention, termination and evaluation, and focus on the strengths of clients to solve problems 8. Providing students with knowledge and skills necessary to analyze the impact of policies on client groups and to influence resources and resource allocation, public policy, and social service delivery systems within the mission of the profession. 9. Providing students with research knowledge and skills so they can be effective consumers of research; can engage in competent research-based practice; and can effectively evaluate their own practice. Various initiatives have been taken at the departmental level for the support to the administration. Modern technology equipment's have been utilized like computers, printers, projectors, etc.	21121209 28	
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		https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 1bc6c4557a7b7 .41231086.pdf

	careers as research scientists, professionals in universities, hospitals, industry, or could also opt for their private ventures.		
Centre for System Biology & Bioinformatics	The students during the programme are well versed with all computational programming and also data mining and analysis practices. Theses practices have helped them to secure data mining jobs at various platforms in industries addition to higher studies.	https://systemsbiology.puchd.ac.in/includes/noticeboard/2022/202207261 52326-programoutcome.pdf ?202215072435	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62dfbab0ec8bc6.22373785.pdf
Dayanand Chair for Vedic Studies	Dayanand Chair for Vedic Studies was established in the year 1975. The first chairperson, Prof. Ramnath Vedalankar, had done valuable research during his service and honoured by the then President of India for his contribution to Vedic Studies. Due to its immense contribution to Vedic Studies, Panjab University is known as a major centre for Vedic research. On this holy land of Punjab, many commentaries were written on Vedas, Upanishads, Aranyakas and Shilpa Shastras. Department is playing its valuable Contribution to the fields like Vedic Samhitas, Brahmanas, Upnishads, Grihya-Sutras, Vedic Grammar and Commentaries on Vedas etc. In Vedas there has been a detailed interpretation of the philosophy of life. Teaching of Upanishads is essential for preserving the cultural identity of India in the age of Globalization. Panjab University, Chandigarh has published many such texts through Dayanand Chair	https://dcvs.puchd.ac.in/includes/courses/357.pdf	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome61ee57a054c396.58644473.pdf
Department Cum Centre for Women Studies & Development	The aim of Women's Studies is not merely classroom teaching but to ensure a gender sensitized society where equality and justice are the governing norms. With this in mind the learning outcomes of M.A. in Women's Studies are not aimed merely at the job market but to create a corpus of gender sensitised persons who will further the aims of Women's Studies and provide a gender sensitive leadership at all levels. The students of women's studies learn not only the theoretical aspects of women's studies but at the end of the course have indepth knowledge about laws, human rights instruments, development issues and policies , research methodology as well as the ability to formulate, design and implement a research project independently. Likewise the students of governance and leadership learn about the practical aspects of leadership and governance and learn through simulation as well as internship.	no link available	
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.	https://humangenome.puchd.ac.in/	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome622f0cb99cb599.21063666.pdf
Department of Ancient Indian	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	https://aihca.puchd.ac.in/include	https://iqac.puchd.ac.in/naac-docs/c2/docs/pr

History, Culture & Archaeology	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.	s/noticebo ard/2022/2 02207061 62636-outcome61 bc6a7f800 ef5.08639 859.pdf?2 02215074 259	ogramme_outc omes/outcome6 2c6b27dbc479 8.94703068.pdf
Department of Anthropology	Before COVID-19 Pandemic, Department has given rigorous field work training to the students. Students have also given training of Skill Enhancement Course. Postgraduate students have also actively participated in Internship programme training for one month in different agencies/NGOs. Besides all students and research scholars take academic advantage in participating different Seminars/Conferences/Webinars/Workshops organized by the Department. In the present COVID scenario, special online lecture in different domains of Anthropology are being organized to update the knowledge of the students.	https://ant hropology. puchd.ac.i n/includes/ noticeboar d/2021/20 21120916 5752-courseoutc omes.pdf? 20221307 1615	https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 2d26d2b62e17 9.02443156.pdf
Department of Art History and Visual Arts	Programme Outcomes (PO): To disseminate knowledge of art practices in India and the world from earliest to modern times. To develop the ability and eye to read art works in terms of style, socio-political contexts and cross-cultural influences over time. To enable the students to acquire knowledge and an understanding of art that would br applicable in practical terms in present times. To inculcate in students a thirst for knowledge, an enquiring mind and an attitude towards research in order to create future placement avenues. To help develop an appreciation and understanding of different religious concepts and cultural trends. Programme Specific Outcomes (PSO): Students are able to apply their knowledge of art concepts and artistic developments in semester exams, NET, national level exams and in research projects. Students learn critical thinking and analytical skills for research and in different domains of cutural studies. Through the skills developed and knowledge acquired in the programme students are acquiped for further academic progression in India and abroad, and for job oppurtunities in museums, art galleries, art journalism and writing, and teaching.	https://ahv a.puchd.ac .in/include s/courses/2 10.pdf	https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 2c409d8710c5 0.50786534.pdf
Department of Biochemistry	Name of Department: Biochemistry Name of Programme : B.Sc (Honours) Programme Outcome • Student can apply the knowledge of biochemistry in semester exams, in National Level competitive exams, gaining internship, placement and higher studies in institute of national and international repute. Name of Programme : M.Sc (Honours) • Student can apply the knowledge of biochemistry in semester exams, in National Level competitive exams, gaining internship, placements and higher studies in institute of national and international repute. • To provide flexibility to the students to choose the program of their interest under CBCS umbrella by opting for Swayam courses. • To encourage the students to opt for the research lab and topic of their interest through the research diversity of	(B.Sc.,M.S c. and Ph.D) https://bio chemistry. puchd.ac.i n/includes/ noticeboar d/2022/20 22071210 4443-syllabus-b.scm.scph	https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 2cd0774e358d 6.53944960.pdf

	the faculty of the department in new, advanced and challenging areas of biochemistry during their project work. • To provide the opportunities to students to present their research work in various workshops and conferences. Name of Programme : Ph.D • The students during the course of the Pre-PhD programme are introduced to research methodology, ethics, knowledge about patents and advanced tools and techniques for life science research. • Under Pre-PhD Umbrella programme, they are exposed to four different departments (Microbiology, Biotechnology, Microbial Biotechnology and Human Genome) and different areas related to the discipline such as Neuroscience, Yeast stress, Immunology of autoimmune disorders and lung diseases, Tumor biology, Novel biocatalysts and Antimicrobials, Nanobiotechnology and biosensors. • The students are nurtured to develop analytical and scientific attitude to pursue their research and academic career in national and international organizations and pharmaceutical industries.	.d.pdf?202 21007450 1	
Department of Biophysics	Program outcome (Ph.D): • To prepare the next generation of biophysicists curtailing to the medical and social needs of society. • To make proficient scientific workforce having knowledge of latest instrumentations, experimental and theoretical methods. • Imbibe analytical and critical thinking in the students which will help them to become responsible investigators of future. Program outcome (B.Sc/M.Sc): • To demonstrate core knowledge in biophysics theoretically and practically. • To provides excellent, and effective classroom/laboratory training for students • To perform significant original research related to discoveries of molecular mechanisms underlying life and disease, development of drugs and therapeutic regimes, creates marketable technologies that practically benefit society, and provides transformative hands-on training for students. • To provide service and leadership to the communities through effective outreach and educate the public about our discipline and the value of science.	https://bio physics.pu chd.ac.in/s how-noticeboar d.php?nbi d=13	https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 2c3dd217522c 3.13508502.pdf
Department of Biotechnology	PO1 To provide infrastructure facilities for imparting good quality of higher education and conducting research in emerging fields of science and engineering. PO2 To strengthen research as well as teaching in carefully identified areas. PO3 To Develop the ability to identify, formulate, analyze and solve problems in the theoretical and experimental domains of Biotechnology. PO4 To develop attitude in the students to pursue further research and finding placement avenues through it both at the national and international level.		https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 25f9ef308d296. 01965953.pdf
Department of Botany	Each course in B.Sc/M.Sc./Ph.D has been specifically designed with several outcomes which are already uploaded in the Department website.		https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 2d657ca32993 5.52699433.pdf
Department of Chemistry	1. The objective of the BSc (HS) programme is to teach the fundamental concepts of Chemistry and their applications at undergraduate level, which will enable to impart	https://che mistry.puc hd.ac.in/in	https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr

	comprehensive knowledge in chemistry and its societal applications through a 3 year programme. The syllabi of B.Sc. (Honours) in Chemistry under the framework of honours school system are selected and arranged in such a manner that due importance is given to requisite intellectual and laboratory skills according to UGC module for CHOICE BASED CREDIT SYSTEM (CBCS) pertaining to B.Sc. Honours (Chemistry). 2. The objective of the MSc (HS) programme is to teach the fundamental concepts of Chemistry and their applications. The syllabus pertaining to M.Sc. (Hons. School) (2 Year Course) in Chemistry in the subject of Chemistry has been upgraded as per provision of the UGC module and demand of the academic environment. The course contents have been revised from time to time as per suggestions of the teachers of the Chemistry working in the Panjab University, Chandigarh. The syllabus contents are duly arranged unit wise and contents are included in such a manner so that due importance is given to requisite intellectual and laboratory skills.	cludes/courses/53.pdf https://chemistry.puchd.ac.in/includes/courses/141.pdf https://chemistry.puchd.ac.in/includes/courses/54.pdf	ogramme_outcomes/outcome61e6833c9c0580.43799312.pdf
Department of Chinese and Tibetan Languages	learning outcome usually evaluated with the emplyment opportunity linked with the programme that how much of the student get the opportunity to get it. However, the level of awarness achieved after completion of and academic program always become an indicator of its learning outcome in the society where it runs.	https://ctl.puchd.ac.in/show-noticeboard.php?20211612361 2&nbid=13&id=39181	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome61c06505c4de45.75546625.pdf
Department of Community Education & Disability Studies	1. M.A. Community Education and Development Community Education and Development is an interdisciplinary course which enables students to understand the issues pertaining to community development at the national as well as at the global level. Community Education and Development as an independent discipline evolves from the realms of education and social sciences that caters to the communities in general, socially marginalized, poor, deprived and disadvantaged sections in specific, with the purpose of inclusive society. Within this perspective the department undertakes two-year master's degree course in Community Education and Development, which includes Education, Practice and Community work for preparing the students to work with individuals, institutions, state governments, multinational companies, families, groups and communities in different community settings. This course intends to instill a sense of commitment and dedication among students towards Community Education and Development by addressing its various problems. 2. B. Ed Special Education (Learning Disability) The B.Ed. Special Education program to develop Special Education Teachers/Educators for children with disabilities for various settings (including Inclusive, Special, Open School and Home-Based Education). It enables them to acquire knowledge and develop competencies and skills to impart education and training effectively to children with Learning disabilities. After completing this course, the student-teachers acquire knowledge and skills about human development, contemporary Indian education, pedagogy of	https://ceds.puchd.ac.in/includes/noticeboard/2022/202207081 22613-b.edmaoutcomes...pdf?2022120 72630	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62c7d69226087 6.44150529.pdf

	various school subjects and assessment for learning; Knowledge and skills about nature and educational needs of children with specific disabilities; Develop conceptual understanding of educational provisions for children with various disabilities in Special and inclusive settings; Enhance knowledge and skills for professional development.		
Department of Computer Science & Applications	Learning outcomes of MCA and M.Sc. (H.S. in Computer Science) programmes being offered by Department of Computer Science and Applications as follows: 1. To acquire thorough and sound background in theoretical as well as skill based courses related to the latest advancements in Computer Science and Applications 2. To build up core competence in software development 3. To apply the knowledge of mathematics, statistics, accounting, programming and computing fundamentals to solve real world challenging problems in diverse domains 4. To effectively comprehend and communicate the technical information in oral and written form for various purposes 5. To work efficiently and effectively as member/ leader of a team on multi disciplinary projects to exhibit computing and management skills 6. To develop habit of continual learning for career development and progress as a dynamic computer professional 7. To analyze research literatures to identify, formulate, design and interpret complex research issues 8. To apply social, legal, moral and ethical principles in professional as well as personal life 9. To encourage employability and entrepreneurial skills to develop software solutions for small, medium as well as large Enterprises 10. To design and develop software applications using the latest technologies with specific considerations for societal, cultural and environmental aspects	https://dcsa.puchd.ac.in/show-courses.php	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62c6b809f15741.64481130.pdf
Department of Defence and National Security Studies	The Department of Defence and National Security Studies at Panjab University was established in the year 2001. The department offers M.A. in Defence & Strategic Studies. The admission in Master course is open to all the students from various streams but, preference is to the applicants who have studied Defence Studies/Military Science at graduation level. The department also offer M.Phil. course in Defence & Strategic Studies to the defence service officers posted at HQ Army Training command (ARTRAC), Shimla including its 29 training establishments. The department is also offering M.Phil. Programme to defence service officers undergoing Higher Command Course at Army War College, Mhow. The department runs One-year Postgraduate Diploma Course in Disaster Management & One-year Postgraduate Diploma Course in Homeland Security which is only of its kind in the country served by this department.	https://defencestudies.puchd.ac.in/show-noticeboard.php?nbid=1	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome61cab63c8b1d41.70392651.pdf
Department of Economics	B.A(HONS.) in Economics Programme Outcomes (PO):- PO1:- To enable students to learn introductory micro and macro aspects of economics in theoretical and applied manner. PO2:- To develop the ability to apply mathematical and statistical tools to solve economic applications and also to understand introductory econometrics techniques. PO3:- To learn about of important sectors of Indian Economy simultaneously with Development Economics, International Economics, Economics of Public Finance, Economics of	https://economics.puchd.ac.in/includes/courses/59.pdf, https://economics.puchd.ac.in/i	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62b94282843db1.05730292.pdf

	Industry and History of Economic Thought. PO4:-To enhance skill and knowledge on data sources on different sectors of Indian economy. PO5:- To develop attitude to study topics through the research activity and inculcate academic and social ethical values among students. Program specific outcomes (PSO):- PSO1:- Students are able to apply knowledge of introductory and intermediate concepts of economics in semester examinations and also in other national and state level examinations. PS02:- Students are able to develop analytical skills and critical thinking through various types of (theoretical and applied) assignments in different domains of economics. PS03:- Through tutorial classes weak students are able to get clarification on their doubts and other students get extra time and questions to enhance their knowledge on the related topics. M.A. - (Economics) Programme Outcomes (PO) :- PO1:- To create, apply and disseminate knowledge of economics in theoretical and applied domain under different specialisations. PO2:- To develop the ability to identify, formulate, analyze and solve problems in theoretical and applied domains of Economics at both curricular and research level through critical thinking. PO3:- To enable students to apply methodological and reasoning based skills in analyzing economic behavior of individuals, firms, markets and economy. PO4:-To make students software (SPSS) literate and to encourage research culture by providing research ambience. PO5:- To develop understanding and attitude to pursue research and finding placement avenues through it. PO6:- To inculcate professional and social ethical values among the students. Program specific outcomes (PSO):- PSO1:- Students are able to apply knowledge of core concepts of economics not only in semester exams but also in other national and state level exams as well as in the research level project work to present, further in workshops and conferences. PS02:- Through variety of subject wise assignments in theoretical and applied domains, students are able to give away analytical skills and critical thinking. PS03:- Through the empirical economic knowledge and comprehensive analytical skills with research culture of department, students are capable of sustaining subsequent academic progression inside the country and overseas as well. PS04:- Study material in the form of Research Papers and articles from newspapers, power point presentations, web based academic links help students to gain advanced knowledge on the subjects. PS05:- Through hands on softwares students enhance their knowledge on data analysis and interpretation.	ncludes/co urses/274. pdf	
Department of Education	To prepare teacher educators and other education professionals including curriculum developers, educational policy analysts, planners, administrators, supervisors, school principals and researchers. To prepare professionals for teaching in colleges of education. To train professionals for psychological testing; personal, educational and vocational guidance; statistical analysis with an educational orientation. To orient students for participation in programmes of educational evaluation and examination reforms. To train professionals for organizing curriculum development and	webadmin. puchd.ac.i n/add-sopo.php? &err= e3	https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 2c8077aa83648 .39030890.pdf

	preparation of instructional materials. To prepare teacher educators through systematic study and research in order to contribute to the development of educational literature and lead to the growth of education as a discipline.		
Department of English & Cultural Studies	Semester -I 2246 Literary Movements –I Many distinct literary movements mark the journey of writing from ancient times to the very contemporary. 1. The paper identifies some of the major literary movements that form the essential frame of reference for a critical engagement with the vast corpus of literature. 2. Movements such as classicism, romanticism or realism constitute the primer of critical vocabulary and therefore a basic understanding of these movements is necessary for a nuanced understanding of varieties of literary articulation. 3. Each movement has its own specific set of aesthetic, cultural and ethical values and preferences. The writers and writings that fall within a movement, despite their heterogeneity and particularities, do converge in terms of fostering an identifiable literary taste and trend. 4. Though these movements do occur in literatures of the world, and across languages, yet the focus of this course is primarily on European literature, with special accent on the British. 5.The emphasis of the paper is on the historical and conceptual understanding of various literary movements. 2248 Cultural Studies – I 1.Culture as a concept is often used synonymously with 'civilization', 'religion' or even 'ideology'. The objective of this foundational paper is to introduce to the students the concept of culture in terms of its relationship with the discourses of 'civilization', 'religion', 'everyday life', 'science' and 'ideology'. The distinctions are subtle, but not oppositional in fundamental ways. Culture, however, tends to subsume all other discourses of life, be it religious, ideological or civilizational. 2. The paper through a reading of primary essays and secondary responses written over the last two centuries by eminent culture critics and theorists like Matthew Arnold, F.R. Leavis, T.S.Eliot and Raymond Williams tends to cover the evolutionary trajectory of debate. 3. Before the discourse of culture opens up to accept the everyday aspects of life as its material praxis, it goes through a series of intellectual bouts with the votaries of religion, science and ideology. 2247 Approaches to Literary Criticism – I 1.The objective of the course is to familiarize students with various approaches to literature, and the particular worldviews these are based on. 2. The students should able to relate literary texts to their lives in terms of their own times and location. 3.The number of approaches suggests that there is no one privileged way to understand a text, and that a text can yield multiple meanings if it is accessed through different worldviews. 4. Each approach has a claim to total meaning till it is countered by another equally compelling approach. Each approach has its own well-argued theoretical base, a set of tested tools and a sustained methodology to help the student to navigate through the text with a degree of precision. 5.These approaches put together give rise to what is often called as critical pluralism 2249 Language and Linguistics – I 1.The course aims to introduce study of language, its origin, nature, structure and function in human society. 2. This involves the	https://puchd.ac.in/includes/syllabus/2021/20211028122644-m.a.english2021-2022.pdf?202211371506	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62ba9b1c85d383.13293234.pdf

	development of an awareness of philosophical, historical, comparative, structural, social and psychological perspectives on language as it evolves as a system related to the human need for communication as well as its cognitive aspects and its social functions. 3. The course is aimed at tracing the main directions that the study of language has taken through the readings of thinkers in the field of linguistics. 2250 British Literature – I 1. The objective of the paper is to provide an overview of the literature of the English Renaissance, Reformation and Restoration times. 2. The course will concentrate on English Renaissance 1500-1660 during which the students will be introduced to the spirit of optimism, unlimited potential, stoic English character and underlying complexities of an age that produced some of the greatest works of literature the world has known. 3. The goal will be to trace the key political, cultural and artistic transformations while paying close attention to continuities with medieval tradition. At the end of the course the students will not only be well versed with the iconic writers and representative texts of the time but will also be critically aware of the important intellectual shift that occurred in the human thought during the Renaissance. 4. The paper also focuses on the political, social and cultural impact of the Reformation in England and the literature of the time in addition to covering th		
Department of Environment Studies	Programme outcomes: The course outcomes are measured through the syllabus, completion of syllabus, continuous evaluation (internal evaluation), setting up of question paper, evaluation, and result. Programme specific outcomes: Measurement of attainment of specific outcomes is done through formative and summative methods. Continuous and comprehensive evaluation, is done regularly to know the attainment. internal assessment exams are scheduled by the teachers and after the evaluation the analysis is done after which the strategy for improvement is made. Group discussions and seminars are organized and each student is made to participate compulsorily in these. Through the seminars and group discussions, the thinking process of the students is also assessed and the skills and knowledge are tested. Home assignments and classroom assignments are given to the students in Education and all P.G. Course outcomes: Maximum 20 marks are allotted on internal examination for each course which is added to their result. Analysis of terminal exam results is also done. After the analysis, strategy for improvement is made and implemented. All the assessments are analyzed regularly. The analysis of students' performance in semester/annual examination is done to know the levels of attainment of different outcomes		https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62db81933217b4.97692223.pdf
Department of Evening Studies	Students of history will learn to apply historical methods to evaluate critically the record of the past and how historians and others have interpreted it. Research Skills. Students will acquire basic historical research skills, including the effective use of libraries, archives, and databases. During the academic program student learning outcomes come from a variety of academic programs across campus, such as and are organized in four broad areas:(a) contextualization of knowledge;(b) praxis and technique;(c) critical thinking; and (c) research		

	and communication. Student further a strong sense of identity; a strong sense of wellbeing ; will learn confident and involved themselves in learning and develop effective communication skill. Another outcome of program will connect student and exposes themselves .Social Sciences program primarily aim at understanding analytically various phenomena in immediate social environment. The learners are introduced to the diversity of people and their practices in different societies, regions and cultures within societies.		
Department of French & Francophone Studies	Details given in link	https://french.puchd.ac.in/includes/courses/37.pdf https://french.puchd.ac.in/includes/courses/34.pdf https://french.puchd.ac.in/includes/courses/35.pdf https://french.puchd	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62b944974389b5.01077958.pdf
Department of Gandhian and Peace Studies	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 aquaint 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.	https://gandhianstudies.puchd.ac.in/includes/courses/64.pdf	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62b94455baa296.60982516.pdf
Department of Geography	Students will develop the ability to: v Comprehend philosophy, key concepts and methodologies in geography. v Analyze mechanisms and processes associated with physical and human geography. v Assess and critique local, regional	https://geography.puchd.ac.in/includes/co	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outc

	and global scenarios, practices and policies. v Use the tools of cartography, RS, GIS, GNSS, and Surveying for mapping and analysis. v Demonstrate spatial analysis and research skills in the form of tangible products. v Apply technical skills and field-knowledge to problem solving. v Create outputs to meet local, regional, and global goals of development.	urses/84.p df https://geo graphy.pu chd.ac.in/i ncludes/co urses/86.p df https://geo graphy.pu chd.ac.in/i ncludes/co urses/85.p df	omes/outcome6 2c7ae19cae847 .85398374.pdf
Department of Geology	Geology is a field based science and after the successful completion of B.Sc. (Honours) course students become eligible for admission to courses such as M. Sc./ M. Tech /M. Sc. Tech. in Geology, Applied Geology, Remote Sensing, Geo-informatics, Environmental science, Petroleum geology and Mining Engineering at various universities of India and abroad. They are also eligible for admission to B. Ed. at various universities. A lot of students take up Geology as one of the optional subjects for civil services, Forest Services and similar level examinations. Through innovative classroom practices such as teaching with ICT tools models and demonstrations, students develop an ability to understand geological processes which generally operate at time scales ranging from days to billions of years. The fundamental premise geology is based on is that the present is the key to past. Ethical societal context of applied geology in economic as well as environmental context is the fundamental balance which a geology graduate student is expected to acquire. Propagating their thoughts through presentations and participation in various related societies enhance their cultural- social-national centric thought. _ To understand the nature and origin of various component of earth system including planetary objects, its origin, its components and operative processes in past and present -To acquire theoretical framework for understanding the nature of geological material including rocks, minerals and fossils - -To apply the knowledge of the material and processes in mineral and energy exploration, oceanography, soil and water resource - To apply the knowledge gained through field work for greater understanding of earth and related phenomena. A Post Graduate degree in Geology, make the eligible for UPSC examination to enter Geological Survey of India (GSI) and the Central Ground water Board (CGWB). Oil and Natural Gas Commission recruits geologists through GATE examination. Armed forces are also in constant search of Geologists. Experienced and well educated Geologists can also apply for top positions in the government, industry and education sector. Outcomes: ELEMENTS OF GEOCHEMISTRY - to provide elementary idea about concepts of geochemistry, beginning with basic concepts of chemistry, geochemical classification of elements, rules of substitution and types of various elements. STRUCTURAL GEOLOGY -		https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 1e522088b174 2.23241610.pdf

	fundamentals of structural geology with an objective to study in detail the structures related to processes of fracturing. IGNEOUS, SEDIMENTARY AND METAMORPHIC PETROLOGY - to understand forms, textures and structures of rocks. It is also aimed to study crystallization behaviour of magmas, various processes of magmatic differentiation, and petrogenesis and tectonic settings of important igneous rocks; focused on major origin of sediments, sediment geometry, and understanding of textural and structural fabrics in relation to environments of deposition and to understand textures and structures of metamorphic ROCKS. PALAEONTOLOGY - processes and patterns of fossilization, morphology, biostratigraphy and palaeobiogeographic significance of invertebrates, vertebrates and palaeobotanical groups along with introduction of ichnology. STRATIGRAPHIC PRINCIPLES AND INDIAN STRATIGRAPHY- provides an understanding of principles of stratigraphy and brief introduction of Indian stratigraphic successions. HYDROGEOLOGY - principles of occurrence, chemistry movement, development and management of groundwater resources. ECONOMIC GEOLOGY - to provide a detailed study of formation of various mineral deposits along with an overview of basics of ore minerals. It also focuses on Indian distribution and genesis of various metallic and non-metallic deposits, and that of fossil fuels GEOPHYSICS to provide fundamentals of geophysics and also to comprehend geophysical exploration methods used for mineral, subsurface fault determination, water, oil and geothermal exploration. ENGINEERING GEOLOGY - to understand the basics of geotechnical and engineering properties of rocks, rating of rock mass and application of geology to various engineering projects. REMOTE SENSING- to understand the basic principles and applications of remote sensing and geographic information system in various branches of geosciences. FUEL GEOLOGY - This course addresses fundamental knowledge of Hydrocarbon geology including the coal geology. MINERAL RESOURCES AND MINERAL ECONOMICS - to comprehend the processes of ore deposit formation in various geologic environments with emphasis on various global ore deposit models. PETROLEUM GEOL - to impart technical and detailed aspects of hydrocarbon and its reservoirs and exploration in petroliferous basin. EXPLORATION GEOLOGY - address heat flow, gravity, magnetic, seismic and GPR exploration methodology for understanding the Earth and its resources. ENVIRONMENTAL GEOLOGY - to understand earth's environment and geological processes.		
Department of German	- Certificate, Diploma and Advanced Diploma in German courses. - Develop German language (DaF) Communication and career-oriented skills for jobs in German MNCs, the corporate sector and Higher Education in German-speaking countries. - Teaching, learning and evaluation. - Information on German-speaking countries (Landeskunde). - Language, Literature and culture. - Progressively develop students' communicative competence in German to deal with real-life situations.	https://german.puchd.ac.in/show-courses.php	

| Department of Hindi | Program Outcomes, Program Specific Outcomes and Course Outcomes M.A (Hindi) Program Outcomes – • Hones the writing skills of students and they learn the conventions of academic writing. • Instills a critical approach to Hindi Literature. • Cultivates Language skills by exposure to a wide variety of literacy works. • General Hindi/ Hindi Literature • Basic knowledge of Hindi Grammar & Literature. • Development of effective communication skills in Hindi. • Enhanced employability of students by developing their linguistic competence. • To prepare the students with skills to analyze the concept and different theories of Hindi literature and language. • To prepare the students for pursuing research or careers in Hindi language and literature and it's allied fields. • Imbibe the effective communication in both mediums of expression (oral and writing). • Continue to acquire relevant knowledge and skills appropriate to professional activities. • Create awareness to become an enlightened citizen with commitment to deliver one's responsibilities within the scope of bestowed rights and privileges. Program Specific Outcomes (P.S.O.) : – • Use Hindi language for getting employment. • Appreciation of Hindi Literature. . • Inculcate moral values in order to strengthen society. • Spread the knowledge of our national language to others. • Understanding the origin of Hindi language & literature. • Understand various genres of Hindi Literature. • Enriched Hindi vocabulary. • Understand the philosophy behind Hindi Literature. • Evaluate Hindi Literature from past to present and using it as a lens to understand society. • To prepare and motivate students for research studies in Hindi language and literature and related fields. • To provide advanced knowledge of different theories of Hindi language and literature and empowering the students to pursue higher degrees/research at reputed academic institutions. P.G. Diploma in Translation (English to Hindi) Program Outcomes – • This course will teach the students in translating two popular and yet official languages for developing language skills and knowledge in the field of translation. • This will help the candidates in understanding the importance of a translator in the modern socio-cultural and employment sectors. • Translators can expand their job portfolios by working in small as well as big firms. • A translator or an interpreter will be responsible for converting concepts in targeted languages, forming glossary and technical databases, and rendering meaningful interpretations of original messages. Program Specific Outcomes (P.S.O.) : – • The course in translation will certify the candidates as a professional translator and will act as lucrative in future job-seeking processes. • The course in translation will allow the candidates to get an inclusive insight into what translating and interpreting is all about. • The course offers special lecture series that will prepare the candidates for the circumstances. • Apart from this the regular activities held in department will give the students a broader perspective of the subject with interaction with students and their education pattern. • To assist students in preparing (personal guidance, books) for competitive exams.• e.g. Staff Selection Commission, Banking sector/Govt. of India undertakings | https://hindi.puchd.ac.in/includes/noticeboard/2022/20220720124045-courseoutcome2020-22.pdf?2022120741 58 | https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62d7ab1f63b138.26475590.pdf |

	Hindi Officer/ Hindi Translator), School Service Commission etc. • To encourage the students for original thinking/thought /decision making. • Enriched Hindi vocabulary. Ph.D. (Hindi) Program Outcomes – • Ph.D Hindi is an advanced level course. Students interested in learning the very intricacies of the Hindi language must pursue this course. • The course imparts essential knowledge about the origin, philosophy, evolvement, literature and culture of the Hindi language. It is best suited for students who are keen on doing in-depth research about the Hindi language. Program Specific Outcomes (P.S.O.) : – • After completing a Ph. D Hindi, one becomes eligible for the position of professor or lecturer in any college or university. Hence it's a must-do course for students who want to dive into the field of academics. • The course inculcates several skills in an individual. Some of these are problem-solving, drawing conclusions, making logical recommendations, time management, etc. • The course offers diverse job opportunities. Some of the top job positions one can expect are as an editor, professor, news anchor, reporter, translator, content writer, etc.		
Department of History	The department has enabled students to study various dynamics of history in northwest in particular and India in general. The students are also given paper in world history and historiography to equip them with all modern researches.	https://history.puchd.ac.in/index.php	
Department of Indian Theatre	1) Overall understanding of theatre art. 2) Skilful theatre Practitioner. 3) Skilful actor. 4) Skilled backstage worker. 5) Good Researcher.		
Department of Laws	Department of Laws aims at providing comprehensive legal education so as to prepare professionally competent lawyers, inquisitive researchers, able administrators, conscientious judicial officers, and socially responsible citizens. To achieve this objective, institution has woven various practices into the academic scheme and work culture viz., continous comprehensive evaluation of students wherein students are required to make presenations and appear in viva voce in every subject in every semester. third year students are mandatorily required to appear in Moot to hone adocacy and oratory skills of students. Students are mandatorily required to undergo internships in 6th semester and first and second year students are encouraged to have internships with NGOs on social issues to enlighten them about social issues and their responsibilities. To enable students to settle in various branches of law, students are required to choose amongst the offered subject choices like Labour Law, Equity &amp; Trust Law, Interpretation of Statute and Principle of Legislation, IPR Management, Private International Law, Information Technology Act &amp; RTI Act, Land Laws, International Organisations, Human Rights and Humanitarian Law.	https://laws.puchd.ac.in/placement.php	
Department of Library & Information Science	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	https://libraryscience.puchd.ac.in/includes/noticeboard/2021/2021121015	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome61b32ac6903b83.96874875.pdf

	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.	4515-courseoutcomesm.lib.i.sc.b.lib.i.sc.2020-2021.pdf?202115124520	
Department of Lifelong Learning & Extension	The picture of learning outcomes of The Department can be viewed as; Knowledge , Skill and abilities of students and participants who were participate the regular diploma course in PRe-school Education; Vocational /certificate courses viz, computer, Fashion Designing and Dress Designing. Beauty culture/Cosmetology courses for the duration of 3 months, workshops and seminars organized by the Department itself and in collaboration with colleges affiliated to P.U. and P.U. departments. 1. Knowledge : To understand the knowledge &amp;amp; development of Pre-school Children. To acquaint with knowledge situation and agencies of Pre-school Education in India. To acquaint with the philosophy and need of Pre-school Education. 2. Comprehension : 1. To understand the importance child Development, Physical, Motor, Language, Social and Congestion Development. 2. To understand the importance of working with parents and community. 3. To compare children on the basis of development gender age and I.Q. level. 4. To explain Teaching Learning Methodological and Activities related to pre-school children. 5. Knowledge &amp;amp; understanding of how to plan programs for pre-school children. 6. Planning and arrangements of half day &amp;amp; full day activities.	https://lifelonglearning.puchd.ac.in/includes/noticeboard/2022/202207011 63958-programeoutcomes2020-21.pdf?202216074018	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62bed6faec9bc5.62895601.pdf
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.	https://maths.puchd.ac.in/includes/courses/116.pdf https://maths.puchd.ac.in/includes/courses/115.pdf https://maths.puchd.ac.in/includes/courses/117.pdf	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome625f8d989fc8d1.71691538.pdf

	Specific Outcome/ Result of of Bsc (Hons.) & Msc (Hons.) Mathematics for the session 2020-2021.		
Department of Microbial Biotechnology	1. Students learn the basics and advances of "Microbial Biodiversity and Physiology", "Microbial Biochemistry and Enzymology", 2. "Immunology and Immunotechnology", "Medical Microbiology", "Microbial Identification, Diagnostics & Nanobiotechnology" cover the 360 degree view of healthcare sciences 3. The roots from Genetics and advances in the form of Recombinant DNA Technology are taught along with "Molecular Biology", and "Advances in Microbial Biotechnology (Genomics, Proteomics, Metabolomics)" 4. Industrial Microbiology gives an insight of the industrial processes in Health, Food, Enzymes, Biofuels etc., while "Bioprocess Engineering" covers all aspects of their scale up 5. Bioinformatics & Biostatistics are taught with hands on experience of using the tools and software on the system. 6. "Intellectual Property Rights (IPR), Bioethics & Entrepreneurship" makes one realize the importance of applied scientific work 7. "Bioinstruments and their Applications"	https://microbialbiotechnology.puchd.ac.in/show-noticeboard.php?nbid=13	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62b837b77c0d80.56635026.pdf
Department of Microbiology	Details given in link	https://microbiology.puchd.ac.in/includes/noticeboard/2022/2022042012 1451-courseoutcomemicrobiologybschons.pdf?2 02212044 743	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome626cd1b2390360.71557752.pdf
Department of Philosophy	The outcome of the Course is to acquaint the students with various perspectives on the fundamental issues which arise in our reflection on human condition. Issues such as nature of human consciousness, self-knowledge, and freedom of action, perception, emotion and imagination will be discussed with special reference to psycho- analysis, behaviourism, existentialist-phenomenological psychology in the western tradition and samkhya- yoga, Buddhism and Vedanta in the Indian tradition. This paper aims at acquainting the students with the oral problems of Metaphysics and Epistemology in Classical Greek and Modern European philosophy through a reading of related writings included in the course. The problems of Metaphysics such as the Nature of Man, God & Cosmos, Being & Becoming, Form and Matter shall be dealt in the course. Problems of Epistemology will focus on kinds of knowledge such as sources of knowledge & criterion of the validation of knowledge shall be especially emphasized. The aim of this paper is to create the cultured awareness among the students acquainting them with	https://puchd.ac.in/includes/syllabus/2018/20180913115322-m.a.philosophysemestersystemexamina.pdf?2022030 82201	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62c3e754db5d05.75461649.pdf

	the great intellectual traditional heritage of our country. The paper intends to give a clear, comprehensive and critical account of the various systems of Classical Indian Philosophy. As a way of Life, Darshan was one of the prominent branch of learning which suggests in appropriate way for attaining happiness in this life and hereafter. The paper aims at enabling the students to critically analyze key concepts in Social & Political philosophy with special reference to major theories in the subject. A student is expected to be familiar with problems such as the nature of political obligation, ideals of a good society, morality, law and order, social changes, tradition and modernity. Programme Outcomes (POs) contain creating and developing among students aptitude/ skill/ ability/ capacity for :- I. Employment II. Research III. Critical thinking IV. Social Awareness and Interaction, V. Ethics and Responsible Citizenship VII. Awareness of and Sensitivity to Environment and Sustainability		
Department of Physical Education	Course outcomes are specified for each course in the syllabus. Course outcomes contribute towards Programme outcomes. Programme Outcomes are as follows: 1. Graduates will have an ability to apply knowledge of Kinesiology, Biomechanics, Sports Medicine, Sports Training, SportsManagement and Officiating and Coaching etc. 2. Graduates will have an ability to educate and trained in the filed of Physical Education, Wellness and Health Education. 3. Graduates will have ability to train individuals and teams for various games and sports. 4. Graduates will have an ability to educate people of society regarding the betterment of the health and encourage physical activity among them. 5. Graduates will able to design and develop schedules according to individuals requirement. 6. Graduates will understand and practice professional ethics in his/her functioning. 7. Graduates will demonstrate an ability to visualize and work as individual or leader in multidisciplinary tasks. 8. Graduates will be able to communicate effectively in both verbal and written form. 9. Graduates will have ability to align to and upgrade to higher learning and research 10. Graduate will have ability to participate and succeed in competitive examinations like NET, HTET, STET etc.	https://puchd.ac.in/syllabus.php?qstrfacid=4	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62beeacdd6a4a9.60684547.pdf
Department of Physics	(I) The accumulation of facts of nature and the ability to link the facts to observe and discover the laws of nature i.e. develop an understanding and knowledge of the basic Physics. (II)The ability to use this knowledge to analyze new situations and learn skills and tools like mathematics, engineering and technology to find the solution, interpret the results and make predictions for the future developments. (III)The ability to synthesize the acquired knowledge, understanding and experience for a better and improved comprehension of the physical problems in nature and to create new skills and tools for their possible solutions.		https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62c519e79838c0.63144110.pdf
Department of Political Science	Semester - I Western Political Thought-I- This paper aims to introduce to the students to the major themes of western political thought. This will be done by undertaking an in-depth study of the key thinkers of this tradition. Key Concepts in Political Analysis - The course aims at introducing students to the key concepts which are the building blocks of political	https://webadmin.puchd.ac.in/add-sopo.php?	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome6

| | analysis. Each concept will be studied in terms of the main debates over its nature and scope in the discipline and its relationship with other concepts. After doing this course, the student will be able to discern the conceptual debates which underlie political phenomena. Indian Politics: Institutions at work (Compulsory) - Recently India has witnessed a major thrust in the study of India's political and economic processes. An important component of many such studies has been to refer to the relevant constitutional and institutional aspects. Such studies, sensitive to the constitutional experiences of a 'new democracy', have enriched themselves by undertaking an in-depth analysis of the way the constitutional provisions have been put into practice and also by making an attempt to explore the core ideas that guided the constitution-makers during the deliberations in the Constituent Assembly. The paper aims at making the students aware of the text of the Constitution of India, important debates and the way the institutions have worked over the last more than six and half decades. An Historical Overview - The purpose of this paper is to provide an historical overview of major developments in International Relations since the beginning of the twentieth century. MA - Semester-II Western Political Thought (II) - This paper aims to introduce to the students the major themes of western political thought. For this purpose, the paper undertakes a study of the key thinkers of this tradition. Comparative Politics : Understanding Advanced Industrial Societies - The objective of the course is to familiarize students with recent debates and theories concerning advanced industrial societies, and this will be undertaken in a comparative framework. Indian Politics : Political Processes (Compulsory) - This course aims to introduce students to politics in India as it has evolved after decolonization. The themes discussed during the course will be those that are crucial to the understanding of the way political processes in the largest democracy of the world unfold in varying forms. The paper takes up the issues for discussion related to the way democratic politics in India has evolved and been shaped in an underdeveloped, multi-ethnic setting along the lines of caste, class, and linguistic and religious identities. It also focuses on the way India's democratic state has fared in promoting economic development, both growth and equity. Theories of International Relations - The key objective of this course is to provide a comprehensive overview of the major theories in IR, covering the entire disciplinary spectrum from mainstream approaches such as realism, liberalism and constructivism to critical approaches such as post colonialism, postmodernism and feminism. Whereas the course content remains largely theoretical, both historical and contemporary practices are taken as illustrative examples, particularly illuminating non-Western perspectives. This course is expected to act as a catalyst for students to think creatively and critically in search of 'global' International Relations that is inclusive of non-Western perspectives and traditions. Approaches to the Study of International Relations - The purpose of this paper is to be familiarize students with alternative and diverse frameworks which seek to explain | 20220155 3512 | 1e51cade135a7 .89838364.pdf |

	International Relations. MA - Semester-III Indian Political Thought-I (Compulsory) - The paper aims to introduce students to different discourses in the domain of Indian Political Thought. It includes historical roots, medieval socio-cultural traditions, renaissance and nationalist narratives. Comparative Politics-II : Understanding Developing Societies (Compulsory) - The objective of the course is to familiarize students with key issues and debates in comparative politics with special reference to developing societies. International Organization - This course is designed to introduce the students to the relevance and functioning of international organizations in Contemporary World Politics. It takes up for the purpose a detailed study of some of the major specialized international agencies under the auspices of the United Nations. Transnational Actors in International Politics - The course is designed to introduce the students to the changing dynamics of the emerging world order in which various transnational actors have come to play an increasingly important role in shaping the responses of the state actors to some of the most crucial issues in contemporary history.		
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.	https://publicadministration.puchd.ac.in/includes/noticeboard/2022/20220705171148-programmeoutcomes-ma.pdf?2022120727 09	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62c53282f12cb6.18986627.pdf
Department of Russian	The department of Russian runs part time courses: Certificate, Diploma, Advanced Diploma and MA in Russian. In part time courses students get acquainted with the technique of translation, nuances of Russian grammar and develop communicative skills. Students also get familiar with Russian literature, culture and civilization of Russia. In M.A. in Russian students study theory of translation and undertake translation of variety of subjects. Students get acquainted with detailed Russian grammar: phonetics lexicology, phraseology, morphology and syntax to understand pedagogy of Russian language. Students get familiar with 19th and 20th century Russian literature, theory of literature, biographies of writers, poets and their major works. In order to get acquainted with the Russian history, culture and civilization students study history of Russia in detail as a separate subject. Students also learn the methodology of teaching of Russian as a foreign language in Indian classroom. The whole course is designed in such a way that students after completing the course become real philologist.	https://russian.puchd.ac.in/includes/noticeboard/2021/20211209125111-naacrussianprogrammeoutcomes-converted.pdf?20211 5123123	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome61b3276c2c8934.42872627.pdf
Department of Sanskrit	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	https://sanskrit.puchd.ac.in/incl	https://iqac.puchd.ac.in/naac-docs/c2/docs/pr

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 PROGRAMME OUTCOMES PO1 Knowledge of Sanskrit language, its grammar and its place in linguistics. PO2 Knowledge of interconnections of various Indic and European languages. PO3 Acquaintance with Indian knowledge system of Śāstras and their methodology, where a great emphasis is laid on discussion and debate. PO4 Knowledge of ancient Indian culture via studying primary texts. PO5 Develops the ability of research in the field of Indology. PO6 Encourage Research Culture in the field of Indology. PO7 Inculcates the academic and social values amongst the students and teachers. PO8 To encourage research culture, provide research ambience and develop related technical proficiency in Sanskrit language. PO9 To inculcate academic and social ethical values among the students PO10 Student are able to apply the knowledge of core concepts of Sanskrit in semester exams, in the NET,/SLET/HTET and other National level exams as well as in the research level projects work. PO11 Through Seminars/Group Discussions/Extension lectures/ workshops/Monthly Seminars/ Debates/Inter-University Competitions etc. students are able to develop speaking, writing and analytical skills. PO12 In day today access to study material, through presentations, students are capable enough to make use of PowerPoint presentations. PO13 Through the research cultural of the department and skills acquired therein, students are capable of sustaining subsequent academic progression inside the country and overseas as well. PROGRAMME SPECIFIC OUTCOMES PSO1 Sāhitya - A study of ancient Sanskrit texts of poetry, drama, theatrics, etc. leads to an understanding of the history and evolution literary creations, psychology (through rasa theory and the like), language usage of various regions in the ancient and medieval times, sociology (through the depiction of various social problems and the reactions towards them), etc. PSO2 Veda and Vedāṅga - A study of the Vedas and its supporting texts which comprise of Jyotiṣa, Vyākaraṇa, Nirukta, Kalpa and Chandas, etc., leads to a knowledge of ancient Indian astronomy, grammar, etymology, linguistics, laws, cultural practices, prosody, etc. The study of Vedas involves open minded analysis of verses, of understanding the hidden meanings and symbolism, etc., which improves one's creative as well as analytical abilities. PSO3 Darśana - A study of Darśanaśāstras or philosophical texts like Yogasūtras, Vaiśeṣikasūtras, etc., leads to a sophisticated knowledge of the art of argumentation, analysis, psychology,	udes/notic eboard/20 21/202112 14162434- programm eoutcomes ofmasansk rit.pdf?202 21607300 2 https://san skrit.puch d.ac.in/incl udes/notic eboard/20 21/202112 14162527- programm eou	ogramme_outc omes/outcome6 2d9345ec8df72 .12513156.pdf

	epistemology, ontology, metaphysics, etc. The variety of ways in which a huge variety of ideas have been discussed, debated and refuted, leads to an open and analytical mind. PSO4 Vyākaraṇa - A study of the Vyākaraṇaśāstras like Aṣṭādhyāyi, Mahābhāṣya, Vākapadīya, etc. leads to the knowledge of grammar, linguistics, etymology, psychology (through the philosophical and practical analysis of language usage), philosophy, etc. As this śāstra is written and analysed in a very precise manner, where it is made sure that utmost precision is maintained, the student training themselves in this, develops analytical and logical skills. PSO5 Dharmaśāstra and Nītiśāstra - Texts like the various dharmasūtras, smṛtis, Kauṭilīya Arthaśāstra, Cāṇakya Nīti, Vidura Nīti, etc. lead to a knowledge of various kinds of management, history of ancient and medieval Indian society, law, the interaction between morality and legality, etc.		
Department of Sociology	The learning outcome of various courses/options taken by students in the department has been tremendous. They have practically applied the knowledge gained through books by visiting old age homes , orphanages and interacting with domestic violence victims etc time and again. This has helped them in understanding the dynamics of the social set up and how positive changes can bring betterment for the deprived sections of the society. The students also participate in celebration of environment day, yoga day, vigilance week to bring above awareness among all regarding the importance of clean environment and healthy lifestyle.	NA	
Department of Statistics	Program Outcomes (PO) PO1 To develop methods for knowledge of Statistics in theoretical and experimental fields under different specializations. . PO2 To encourage students to solve problems in in Statistical theory and Practicals using critical thinking. . PO3 To enable students to apply some statistical softwares for the data analysis. . PO4 To encourage students to look for real life situations for various statistical models developed in the study. . PO5 To develop analytical and independent thinking in the students through Various assignments . .PO6 To inculcate academic and social ethical values among the students Program Specific Outcomes (PSO) PSO1 The courses are so designed that students get the basic knowledge in the field of Statistics which helps them in various competitive examinations. PSO2 The knowledge of various Computer based courses like R and S-Plus workshops on SPSS etcis meant to help students in the emerging fields of Statistical Analysis of Data PSO3 The Statistical Courses and the knowledge of various Models is really crucial in most of the private and Public Organisations which do need the application of statistical Tools. PSO4 The students having exposure to statistical methods and Various softwares get good opportunities for placements in Good Companies. PSO5 The students get motivation for critical and independent thinking and are encouraged to follow academic ethics .	https://statistics.puchd.ac.in/includes/noticeboard/2021/20211210130923-coursecodeoutcomes.pdf https://statistics.puchd.ac.in/includes/noticeboard/2021/20211210130843-listofcoursesinm.sc..pdf	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome6260d6f3c76570.37268831.pdf
Department of Urdu	PROGRAMME SPECIFIC OUTCOMES: Efficiently translate creative works as well as technical texts from Urdu/Persian language. Get acquainted with the civilization, culture, socio- economic systems of India/Iran. Enhance interest and develop communication skills to activate	https://urdu.puchd.ac.in/show-courses.php	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome6

	Urdu/Persian language for professional use. Actively participate in interpretation and discussion in life like situation. Undertake an independent research initiative in the field of comparative studies.		1e529bf1ebd32 .93725275.pdf
Department of Zoology	All the learning objectives and course outcomes along with Programme and Programme specific outcomes for BSc (Honours) Zoology and MSc (Honours) Zoology are given in the uploaded document, as they are of more than 500 words.	NA	https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 2c7db1a99549 4.39599954.pdf
Dr SS Bhatnagar University Institute of Chemical Engg. & Tech.	Program Outcomes: (POs) 1. The graduates have ability to apply knowledge of physical sciences, mathematics and chemical engineering.(Engineering Knowledge) 2. Identify, formulate and solve chemical engineering problems using fundamental (1 principles)and engineering sciences. (Problem Analysis). 3. Conduct experiments and design commercial equipment or processes with specific consideration of environmental, social, health and safety aspects in the area of chemical engineering and allied fields. (Design &amp; Development of Solutions) 4. Use research methods, design of experiments and analysis techniques to analyze, interpret and present data and to solve complex engineering problems and provide valid conclusions. (Investigation of Complex Problem) 5. Use the IT techniques, modeling and simulation skills, and modern engineering tools necessary for chemical engineering practice. (Modern Tools Usage) 6. Analyze the local and global impact of engineering solutions and applications on individuals, organizations and impact on society as well as the impact of society on professional chemical engineers. (Engineer and Society). 7. Design a system, a component, or a process to solve the problems within realistic constraints such as economic, social, environmental, ethical, health and safety, manufacturability and sustainability. (Environment &amp; Sustainability) 8. Understand the importance of professional ethics. (Ethics) 9. Function effectively individually or as a member of a team with the objective of performing and achieving goals. (Individual &amp; Team work). 10. Communicate and present themselves effectively. (Communication) 11. Recognize the need for, and to engage in continuous professional development. (Lifelong Learning) 12. Understand the principles of engineering and management and apply these to the discipline as a member or leader in a team, to manage projects. (Project management &amp; Finance). Graduate Attributes: Programme Specific Outcomes (PSOs) 1. Apply Chemical Engineering and basic science principles and computing to operate and design a variety of process units and equipment especially in the fields of Petroleum Technology, Process Engineering, Environment Engineering and allied industries. 2. Acquire and apply knowledge of unit operations and processes, transport processes, process control, instrumentation, plant design and process modelling to solve complex chemical engineering problems and facilitate resource optimization. 3. Demonstrate the importance of ethical behaviour, management of		https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 2419772af0840 .73170650.pdf

	resources, social responsibility, lifelong learning and teamwork.		
Institute Of Educational Technology & Vocational Education	The B.A.B.ED. programme focuses upon the generic skills and programme specific teaching skills. Generic skills are being taught as separate courses (e.g. life skills) as well as are integrated within subjects in the form of school related practicum. During the Internship Programme students use contents and pedagogical knowledge to transect the curriculum with learners. Learning out comes: 1. to describe the development of Indian Education system from ancient period to an independent nation. 2. identify the need scope and purpose of educational planning in term of national and community needs. 3. to study the education system from philosophical sociological and political perspective. 4. to identify the concept need and scope of educational psychology. 5. to identify the need and scope of curriculum development educational technology and value education. 6. to master the art of lesson planning various teaching skills. using methods and media in curriculum transaction and conducting evaluation.	https://puchd.ac.in/show-noticenoard.php.?20220907585 6&amp;nbis=1 &amp;id=45442	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62d0f1a5a265d0.05220376.pdf
Institute of Forensic Science & Criminology	Program outcome (PO) : • To understand the core knowledge in forensic science theoretically as well as practically. • To provide high versatility in knowledge content through effective classroom/laboratory instruction. • To enhance the level of knowledge by exposing students to cutting-edge scientific methodologies in the field and addressing every feasible aspect of forensic inquiry. • To enable critical knowledge of the research component in relation to the use of science in criminal investigations. • Assisting the criminal justice system with acquired knowledge in light of the rising crime rate and changing nature of the crime. Program Specific Outcomes (PSO) : • Graduate students from all fields of science come to IFSC with a variety of backgrounds. All of their information content is focused toward the final purpose of criminal investigation. • Every theory paper is accompanied by advanced practical exposure, allowing students to grasp the concept's applicability. • Research papers and concept presentations help students understand concepts. • An added exposure to research work in the form of Thesis Work (Dissertation) exposes the test the hypothesis framed, which is an integral part of the scientific aspect of crime scene investigation. • The specialized Course (MFS-T4-DES-P/C/B) in Semester IV has been kept in line with the UPSC (Union Public Service Commission) requirement wherein the eligibility has been made specific for different divisions of forensic science. • Students are well prepared for UGC-JRF/NET, FACT, FACT-Plus, and other competitive examinations after being exposed to comprehensive and verified knowledge. • Our students are well qualified to serve as trainees in Central/State Forensic Laboratories after earning their Master's degree.	https://ifsc.puchd.ac.in/includes/noticeboard/2022/2022051215 5413-programmeoutcomem.sc..pdf?202215055434	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome627ce2a227b460.58198310.pdf
P.U. Regional Centre, Ludhiana	BALLB/LLM/ MBA programme learning outcomes are attached in the PDF	http://www.purcl.puchd.ac.in/includes/courses/	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome6

		http://www.purcl.puchd.ac.in/includes/courses/	22f1b4040efb8.06931304.pdf
P.U. Regional Centre, Muktsar	Master of Computer Science & Applications	http://purcm.puchd.ac.in/	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome626fa814dd05d4.28933577.pdf
School of Communication Studies	The objective is to sensitize the students to the field of communication by exposing them to its different forms; to understand the basic concepts and terminology specific to communication and media; to sensitize them to the practical importance of intrapersonal, interpersonal, group, and mass communication; to inculcate in them the skills required to become effective source-encoders and to impart latest knowledge to enable them to analyze and assess communication in the media and everyday life. The paper is designed to introduce students to both the field and the desk aspects of Print Journalism – reporting, feature writing, editing and design. The paper will orient the students towards the study of journalism by giving a historical background and a context to the changes that are visible in the media. They will also be sensitized to the history of the press in post-Independence India. Sensitize students to the development of concepts for documentaries and television programs, scripting, directing, camera handling programming editing etc. Trains the students to understand the basic concepts and terminology specific to the media of radio and television; provides in depth grounding in the theory on which the two media operate; provides practical knowledge to conduct research in radio and TV communication. The objective of the course is to familiarize students with the ethical codes and laws pertaining to the media. They would also be made conversant with the role of media in society and the related issues of responsibility and accountability in the use of the freedom of speech and expression.	https://scs.puchd.ac.in/includes/noticeboard/2022/2022070612 2819-programoutcomevisionandmision.pdf?2021207283 1	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62c533367cfcf0.16648996.pdf
School of Punjabi Studies	M.A. Punjabi (Hons.)- Semester I: MPI : Madhkali Punjabi Sahit Da Itihas, SSP: Sahit Sidhant, Snatani Kaav shaster Ate Punjabi Alochna, MPK: Madhkali Punjabi Kaav, GSK: Gurmat Ate Sufi Kaav, PNA: Punjabi Naval Da Adhyan, PKA: Punjabi Kahani Da Adhyan, GBA: Guru Nanak Bani-Deeragh Adhyan, PPA: Pra-Alochna Ate Punjabi Alochan Da Adhyan, Semester-II: API: Adhunik Punjabi Sahit Da Itihas, PKS: Adhunik Pachhmi Kaav Shaster Ate Viharak Alochana, MPK: Madhkali Punjabi Kaav-II, SKB: Sufi, Kissa Ate Beer Kaav, PNA: Punjabi Naval Da Adhyan, PPK: Punjabi Ate Parvasi Kahani Adhyan, WSA : Waris Shah-Deeragh Adhyan, PPA: Pra-Alochna Ate Punjabi Alochan –II, Semester-III: BVP: Bhasha Vigiyan Ate Punjabi Bhasha, SLP: Sabhichar, lokdhara Ate Punjabi Sabhyachar, APK: Adhunik Punjabi Kavita-I, ABK: Adhunik Punjabi Birtantak kavita-I, PNR: Punjabi Natak Ate Rangmanch Da Adhyan-I,	https://punjabi.puchd.ac.in/show-courses.php	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome627a0a10dda381.23364966.pdf

	PAV: Punjabi Vich Anuwadit Vishav Natak-I, SHA: Shah Hussain- Deeragh Adhyan, PPS: Pakishtani Punjabi Sahit, Semester-IV: BPG: Bhasha Vigiyan, Punjabi Bhasha Ate Gurmukhi Lippi, PLS: Punjabi Lokdhara Ate Lok Sahit, APK: Adhunik Punjabi Kavita-II, ABK: Adhunik birtantak Punjabi Kavita-II, PNR: Punjabi Natak Ate Rangmanch Da Adhyan-II, PNR: Punjabi Natak Ate Rangmanch Da Adhyan-II, PAV: Punjai Vich Anuwadit Vishav Natak-II, BVA: Bhai Veer Singh-Deeragh Adhyan, PPS: Parvasi Punjabi Sahit, Diploma Course: Paper-I: Principles and problems of Translation, Paper-II: Problems of Vocabulary &amp; Technical Terminology, Paper-III: Practical Translation &amp; Related problems, Paper-IV: Practical work of 100 Pages, M.Phil (GGSS): Semester-I: Paper-I: Research Methodology &amp; Interpretation Models, Paper-II: Philosophical &amp; Conceptual Study of Guru Granth Sahib, Semester-II: Paper-III: Linguistic, Literary &amp; Cultural Perspectives of Guru Granth Sahib,Paper-IV: Research Methodology &amp; Applied Research (Guru Granth Sahib), Paper-V: Dissertation.		
University Business School	A copy of the Syllabi is kept in the department for students and faculty to use as needed. The faculty discusses the Learning Outcomes of the Programs and Courses with students at the end of each area of study, leading to which technological applications. The learning outcomes are stated using Bloom's Taxonomy and expressed in the lesson plan, which clearly describe the knowledge, skills, and competency expected of students as a result of completing their programme of study. The PO, POS, and CO's are incorporated in the curriculum for display on the University website, which can be accessed by all stakeholders including Faculty, Students, Industry, and Alumni.	https://www.ubs.puchd.ac.in/includes/noticeboard/2022/20220726120400-mbaprogrammesoutcomes2020-2021.pdf?202212070448	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62df8b7529ea59.66422683.pdf
University Centre of Instrumentation and Micro-Electronics	University Center of Instrumentation of Micro-Electronics (UCIM) was established in 1995 and offers M.Tech. Instrumentation and M.Sc. Instrumentation courses each of two years (4 semesters duration) with the objective, outcome of the course is to generate trained manpower for modern Sophisticated Instrumentation and micro-electronic used at National Level R&D Laboratories and in various industrial applications. Some of the students pursue higher education (Ph.D. Programmes) after completing the course. The trained faculty of the Department imparts hands on training on the sophisticated Analytical Instrumentation available these State of the Arts Instruments that are supplemented with the DST funded schemes	https://www.puchd.ac.in/includes/documents/2017/handbook-of-information-2017.pdf?20212226092504	
University Institute of Applied Management Sciences	1) The sectoral MBA programmes are supplemented with specialization in a core functional area of management i.e. Marketing, Finance, Human Resources and Operations. The rigorous course structure thus fine-tunes managerial specialization with competencies of domain specific knowledge. 2) Every student is equipped with the necessary conceptual and technical skills to enhance his employablity quotient and to harness his true potential 3) Special focus is on refining the soft skills and train them for undertaking higher responsibilities.	https://uiams.puchd.ac.in/	

| University Institute of Engineering & Technology | Course outcomes are specified for each course in the syallabus.Course outcomes contribut towards Programme outcomes.Programme Outcomes are as follows: 1. Graduates will have an ability to apply knowledge of mathematics, science and engineering to solve complex problems in electrical and electronics engineering. 2. Graduates will have an ability to identify, formulate and solve electrical and electronics engineering problems. 3. Graduates will have ability to design/ develop components and processes in electrical and electronics engineering which meet needs of society rationally. 4. Graduates will have an ability to apply theoretical knowledge to conduct experiments with electrical systems, analyze and interpret data for conclusions in electrical and electronics engineering. 5. Graduates will have ability to model real life problems using software and hardware platforms both offline and in real time. 6. Graduates will design and develop solution to meet desired needs within realistic constraints. 7. Graduates will understand and practice professional ethics in his/her functioning. 8. Graduates will demonstrate an ability to visualize and work as individual or leader in multidisciplinary tasks. 9. Graduates will be able to communicate effectively in both verbal and written form. 10. Graduate will show understanding of impact of engineering solutions on society and also will be aware of contemporary issues. 11. Graduates will have ability to align to and upgrade to higher learning and research 12. Graduate will have ability to participate and succed in competitive examinations like GRE, GATE. 13 to 23 given next are from Mechanical Engineering discipline 13. An ability to apply knowledge of mathematics, science, and engineering, 14. An ability to design and conduct experiments, as well as to analyze and interpret data, 15. An ability to design a system, component, or process to meet the desired needs within realistic constraints, such as, economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability, 16. An ability to function in multidisciplinary teams, 17. An ability to identify, formulate, and solve engineering problems, 18. An understanding of professional and ethical responsibility, 19. An ability to communicate effectively, 20. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context, 21. A recognition of the need for and an ability to engage in life-long learning, 22.A knowledge of contemporary issues, and 23. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice. PO Statements of E.C.E. department for UG course: On successful completion of the program students will achieve the following Program Outcomes: 1. Engineering knowledge: Graduates will demonstrate knowledge in Mathematics, Science and Engineering by solving complex Electronics and Communication Engineering problems. 2. Problem analysis: Graduates will demonstrate an ability to identify and analyze complex Electronics and Communication Engineering problems by using the principles of Mathematics, Science and Engineering. 3. Design/development of solutions: Graduates | https://puc hd.ac.in/sy llabus.php ?qstrfacid =5 https://uiet .puchd.ac.i n/?page_id =218 page_id=4 17 page_id=5 5 page_id=1 1 page_id=2 054 | htttps://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 2c66c4076fae1. 54424298.pdf |

	will propose a solution and Design an Electronics or Communication system that meets the desired specification. 4. Conduct investigations of complex problems: Graduates will analyze and interpret data using research based knowledge in Electronics or Communication and provide significant conclusions. 5. Modern tool usage : Graduates will experiment with the modeling and simulation tools for analysis of Electronics and Communication Engineering problems and their limitations. 6. The engineer and society : Graduates will apply reasoning and knowledge to assess global and societal issues. 7. Environment and sustainability: Graduates will demonstrate the impact of Engineering and technological solutions for sustainable development of society and environment. 8. Ethics: Graduates will Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. 9. Individual and team work: Graduates will understand individual role and leadership qualities to lead diverse groups in multidisciplinary fields. 10. Communication: Graduates will communicate effectively in both verbal and written forms among peers and society. 11. Project management and finance : Graduate will develop leadership and managerial skills with best professional, economic and ethical concern for managing team or as an individual in multidisciplinary environment. 12. Life-long learning : Graduates wil		
University Institute of Fashion Technology & Vocational Development	The methodology adopted gives inputs in core functional areas along with inter-disciplinary fields by problem solving methods. Fashion Journalism and Photography, Fashion Enterprise Management and Supply Chain, Quality Control, Cost and Logistics are some of the disciplines they are acquainted with during the course. The students are trained to be Fashion Illustrators, Designers, Pattern and Product Developers and are prepared to cater to the fast moving Fashion Industry in every way. Knowledge and Application of Textile and Computer Technology enable them to move with the flow of time. They are exposed to In-House Training on state-of-art equipment and Industrial Experience, Research and Craft Surveys. The mode of instruction is highly student-centered and is through Projects, Seminars, Workshops, Educational Tours and Exhibitions. The evaluation system is a continuous assessment throughout the semester by way of assignments, projects, internships, and presentations. Their deep understanding and exposure in vast areas helps them fit into the Niche' Market as well as in the Mass Market of Fashion Makers.		https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 11b69dc5e8f32 .03042608.pdf
University Institute of Hotel and Tourism Management	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	https://uih mt.puchd.a c.in/show-courses.ph p	https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 22346b5a73fb1 .89758064.pdf

	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.		
University Institute of Legal Studies	University Institute of Legal studies (UILS) offer double degree programs that is the unique blend of social sciences and legal education (B.A.LL.B.) & commerce with legal education (B.COM.LL.B.). Law and social sciences are a perfect combination to create an integrated system that is just, equitable and of prime relevance for the society. The course has massive importance as it teaches the quintessential aspects of all the disciplines. Our graduates are able to understand the interdisciplinary nature of the course in general and law in specific. The learners are able to connect, relate and understand the contributions other disciplines make to the study of law. The course recognizes the need to educate students in a holistic manner by promoting a strong base of knowledge, reasoning, sensitivity, communication skills such as writing and advocacy, connecting with society, building relationships, etc. This is the excellent way of pushing the young minds beyond the boundaries of curriculum and makes them responsible citizens and phenomenal lawyers. Our faculty is experienced and has an acumen of teaching with Student Centric Approach. During their stay of five years at UILS, the students have studied social sciences and law, so they are capable of demonstrating professional ethics, commitment, honesty, integrity, understanding of the importance of community and giving back to community through their compulsory participation in Legal Aid Clinic and Moot Courts. Our graduates are taught to apply the fundamental principles of law from first year as they are introduced to Law of Torts, Law of Contract and later on Constitutional Law, Criminal Law, Civil Law etc. Understanding of both substantive law and procedural law help them in understanding, explaining and comprehending the different socio-legal situations. The course has a compulsory part of research writing and students are taught socio-legal research methods to gather information from various sources, authorities and are able to cite them in their research assignments. Social, legal, historical, economic and political considerations developed in the learners throughout five year course help them in critical thinking skills and problem solving skills and they are able to apply these skills	uils.puchd.ac.in	https://iqac.puchd.ac.in/naac-docs/c2/docs/programme_outcomes/outcome62ccf6116603d8.00740382.pdf

	broadly to all aspects of life. Our graduates are able to present their research findings in a systematic manner as the course has a compulsory presentation along with the research writing. The institution believes in holistic development of students besides academics. The students are given exposure of conducting, hosting, organizing various events like declamations, debates, trial advocacy, mediation competition, quiz, singing, slogan writing, poster making etc. so that they are also able to enhance their leadership and team work qualities. Our students are able to identify the social and legal issues and become capable to apply social, economic and legal theories on various facts by critical analysis. The double degree of commerce and Law (BCOMLLB) provides a knowledge and foundation of commerce subjects like accounting, finance, economics, taxation, and a practical knowledge of Indian Legal System. Our graduates demonstrate a clear understanding of laws and commerce. Further, learners are prepared to join with Chartered Accountants, Company Secretaries and they demonstrate a command over accountancy rules and laws.		
University Institute of Pharmaceutical Sciences	Students after completing their B. Pharmacy are competent to explain various aspects of new drug discovery in pharmaceutical sciences, newer aspects pharmaceutical technology include formulations and dosages, mechanism of action of drugs in our body, synthesis of drugs and herbal drugs/herbal drug technology and their quality aspects. They are also able to enlist various legal aspects of drugs under Jurisprudence and requirements for setting up a pharmaceutical industry as per Drugs and Cosmetics Act 1945. They are equipped with all theoretical aspects and practical attributes of Pharmaceutical Sciences. In practicals, they understand the application of theoretical principles of formulation development, drug action, their synthesis and analysis of APIs and herbals. The post-graduates and PhD scholars acquire core and basic knowledge in different areas of Pharmaceutical Sciences. They demonstrate learning of both theoretically knowledge base and extensive research based skills for drug discovery and drug development. The post-graduates and PhD scholars in Pharmaceutical Chemistry are specifically focusing towards rational drug designing using latest computer aided approaches/softwares, QSAR, synthesising new series of chemical compounds and changing physiochemical properties of existed chemical compounds/drugs. The post-graduates and PhD scholars in Pharmaceutics design oral/topical/ophthalmic/parenteral formulations using targeted drug delivery approaches like nanotechnology, quality by design (QbD), liposomal preparations, enteric/surface coating, drug delivery software and on development of biomedical devices. The post-graduates and PhD scholars in Pharmacognosy are engaged in drug discovery from natural sources, standardisation of herbal extracts/formulations, develop herbal drug and cosmetic formulations, evaluate various plants against different disorders, isolate and identify the biologically active constituents from plants. They also develop monographs of various medicinal plant drugs used in Indian traditional	https://uips.puchd.ac.in/show-noticeboard.php?nbid=1	

	system of medicine. They are equipped and trained to work upon various sophisticated analytical equipments and chromatographic techniques used for quality assessment of herbal drugs. The post-graduates and PhD scholars in Pharmacology utilize their theoretical and practical skills pertaining to drug discovery/development in identifying drug targets, molecular pathways, biomarkers, mechanism of action of drugs, in-vitro/in-vivo preclinical evaluation of drugs, toxicity studies, clinical research (conceptualizing, designing, conducting, managing and reporting of clinical trials) and Pharmacovigilance. The post-graduates and PhD scholars in Pharmaceutical Analysis develop their knowledge base in method development and method validation for analysis/bio-analysis of various synthetic as well as natural/herbal compounds in formulations/biological samples using advanced Spectroscopic/thermogravimetric/ chromatographic techniques. The post-graduates and PhD scholars in Pharmaceutical Quality Assurance execute quality control and quality assurance aspects of pharmaceutical industries with specific focus on cGMP, quality control tests, documentation, good laboratory practice (GLP) certifications, accreditations, national/international regulatory requirements and audits (US/Europe/India).		
University School of Open Learning	Learning outcomes have been mentioned along with the programme at following: link:https://usol.puchd.ac.in/show-courses.php		https://iqac.puc hd.ac.in/naac-docs/c2/docs/pr ogramme_outc omes/outcome6 20f41edc70f27. 28570388.pdf