



# हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय Central University of Himachal Pradesh

[www.cuhimachal.ac.in](http://www.cuhimachal.ac.in)

सर्टिफिकेट/स्नातक/स्नातकोत्तर  
पाठ्य कार्यक्रमों में प्रवेश हेतु  
विवरणिका 2016-17



## Prospectus 2016-17

for Admission to  
Certificate/UG/PG Programmes

श्री प्रणब मुखर्जी महामहिम भारत के राष्ट्रपति विश्वविद्यालय के माननीय कुलाध्यक्ष
श्री अरुण मायरा विश्वविद्यालय के कुलाधिपति
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डॉ. संजीव शर्मा परीक्षा नियंत्रक



<b>Shri Pranab Mukherjee</b> His Excellency, The President of India The Visitor of the University
<b>Shri Arun Maira</b> The Chancellor
<b>Prof. Kuldeep Chand Agnihotri</b> The Vice Chancellor
<b>Prof. Yoginder S. Verma, Pro Vice-Chancellor</b> Dean, School of Life Sciences
<b>Prof. Hans Raj Sharma</b> Dean, School of Social Sciences & Dean, Students' Welfare
<b>Prof. I.V. Malhan</b> Dean, School of Mathematics, Computers & Information Sciences
<b>Dr. Deepak Pant</b> Dean, School of Earth & Environmental Sciences
<b>Dr. Roshan Lal Sharma</b> Dean, School of Humanities and Languages & Proctor
<b>Dr. O.S.K.S. Sastri</b> Dean, School of Physical and Material Sciences
<b>Dr. Sanjeev Gupta</b> Dean, School of Business and Management Studies
<b>Dr. Manoj Saxena</b> Dean, School of Education
<b>Dr. Asutosh Pradhan</b> Dean, School of Fine Arts and Art Education
<b>Dr. Pradeep Nair</b> Dean, School of Journalism, Mass Communication and New Media
<b>Brig. Jagdish Chand Rangra, YSM (Retd)</b> The Registrar
<b>Sh. B. R. Dhiman</b> The Finance Officer
<b>Dr. Sanjiv Sharma</b> The Controller of Examinations



# हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय Central University of Himachal Pradesh

पोस्टबॉक्स 21, धर्मशाला, जिला-कांगड़ा,  
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पाठ्यकार्यक्रमोंमेंप्रवेशहेतु

**विवरणिका 2016-17**

**PROSPECTUS 2016-17**  
**FOR ADMISSION TO**  
**CERTIFICATE/UG/PG PROGRAMMES**

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## Days to Remember

Events	Dates	
	Certificate/UG Programmes	PG Programmes
Issue of Prospectus	7th May 2016	7 <sup>th</sup> May 2016
Last Date for Submission of Applications	6 <sup>th</sup> June 2016	6 <sup>th</sup> June 2016
Date and Time of Entrance Examination (FEAT) For PG Programmes of Study only	-----	26 <sup>th</sup> June 2016 at 10:00 AM
Display of the First List of Selected Candidates (including Waiting List)	15 <sup>th</sup> June 2016	21 <sup>st</sup> July 2016
Last Date for Payment of Fees	23 <sup>th</sup> June 2016	25 <sup>th</sup> July 2016
Display of the Second List of selected candidates (Including waiting List)	24 <sup>th</sup> June 2016	25 <sup>th</sup> July 2016 ( 08.00 PM )
Last Date for Payment of Fees	30 <sup>th</sup> June 2016	28 <sup>th</sup> July 2016
Display of the Third List of Selected Candidates.	1 <sup>th</sup> July 2016	29 <sup>th</sup> July 2016
Last Date for Payment of Fees	6 <sup>th</sup> July 2016	1 <sup>st</sup> August 2016
<ul style="list-style-type: none"> <li>• Verification of documents</li> <li>• Registration</li> <li>• Commencement of Classes</li> <li>• Orientation Programme</li> </ul>	1 <sup>st</sup> August 2016	1 <sup>st</sup> August 2016

### IMPORTANT

*Admission for Certificate/UG Programmes of Study will be done on basis of Merit of 10+2 Examination.*

*Schedule for RD (MPhil/PhD) Programmes will be announced later*

- **Hall Tickets for the Entrance Examination (FEAT)**
  - *Shall be sent by post.*
  - *may be collected in person from the office of the University at TAB Shahpur, Distt. Kangra (H.P.)*
- **Intimation regarding Entrance Test (FEAT), Entrance Examination Centres, List of Candidates finally Selected/Waitlisted candidates shall be displayed only on the**
  - *University Website ([www.cuhimachal.ac.in](http://www.cuhimachal.ac.in))*
  - *Notice Boards of the Controller of Examinations, TAB, Shahpur*
  - *Notice Board of the Camp Office, Dharamshala*
  - *Notice Board of the School/Department/Centre concerned.*
- **Any intimation to the candidates will not be sent by post except regarding Hall Tickets.**

## कुलपति की ओर से संदेश



हिमाचल प्रदेश केंद्रीय विश्वविद्यालय, धर्मशाला धीरे-धीरे अपनी विशिष्ट पहचान स्थापित कर रहा है, यह प्रसन्नता का विषय है। भारत में उच्च शिक्षा और शोध की प्राचीन काल से ही समृद्ध परम्परा रही है। जिन दिनों विश्व के अन्य महाद्वीप ज्ञान की प्रारम्भिक अवस्था में थे, उन दिनों भारत में अंतर्राष्ट्रीय स्तर के तक्षशिला, नालंदा और विक्रमशिला जैसे विश्वविद्यालय स्थापित हो चुके थे। इन विश्वविद्यालयों में पढ़ने के लिए सुदूर क्षेत्रों के विद्यार्थी आते थे। यह देश का दुर्भाग्य ही कहा जाना चाहिए कि अरबों, तुर्कों, ईरानियों और मुगलों के आक्रमणों ने देश में ज्ञान-विज्ञान की इस समृद्ध परम्परा को अवरुद्ध ही नहीं किया बल्कि पुस्तकालयों में पड़ी असंख्य पांडुलिपियों को भी आग के हवाले कर दिया। कालांतर में जब अंग्रेजों ने इस देश पर कब्जा कर लिया तो उन्होंने अपने प्रशासन की आवश्यकताओं के अनुरूप शिक्षा पद्धति विकसित की और उसी के अनुसार यहाँ प्रारंभिक विश्वविद्यालयों की स्थापना की। इन विश्वविद्यालयों में ज्ञान और विज्ञान की पहल यूरोपीय जगत के हाथों में आ गयी और कालांतर में उसी का अनुसरण किया जाने लगा।

यह प्रसन्नता का विषय है कि भारत सरकार ने विदेशी आक्रमणकारियों के कारण ज्ञान परम्परा के अविरल प्रवाह में पड़े व्यवधान की कड़ियों को फिर से जोड़ने के प्रयास किये हैं। नालंदा विश्वविद्यालय का पुनरुद्धार इसका प्रमाण है।

मेरी इच्छा है कि पूर्वकाल में पश्चिमोत्तर के तक्षशिला विश्वविद्यालय को पुनर्जीवित करने का प्रयास हिमाचल प्रदेश केंद्रीय विश्वविद्यालय के रूप में होना चाहिए। यह विश्वविद्यालय केवल भारत में ही नहीं बल्कि पड़ोसी देशों के बीच भी ज्ञान-विज्ञान की संवाद रचना के लिए व्यास आसन बने, यही मेरी कामना है। इसके लिए विश्वविद्यालय से जुड़े सभी छात्रों और अध्यापकों को मिलकर भागीरथ प्रयास करना होगा और उन्हीं उच्च परम्पराओं का अनुसरण और उनके अनुरूप आचरण भी करना होगा।

सभी के सहयोग से हम अपनी इस यात्रा में सफल होंगे, ऐसा मेरा विश्वास है।

(कुलदीप चंद अग्निहोत्री)



# About The University

## **GENESIS**

The Prime Minister, in his address to the nation on August 15, 2007, announced the establishment of a Central University in each of the states that did not have a central university so far. Subsequently, 11th Plan provided for the establishment of 16 new Central Universities. Accordingly, the Central Universities Act 2009 (No. 25 of 2009) which received Presidential assent on 20th March 2009 provided for the establishment of Central University of Himachal Pradesh amongst others.

## **ESTABLISHMENT OF THE UNIVERSITY**

The Central University of Himachal Pradesh is established under the Central Universities Act 2009 (No. 25 of 2009) enacted by the Parliament. The University is funded and regulated by the University Grants Commission (UGC). The University became functional with the assumption of charge by the first Vice Chancellor on 20th January 2010.

## **VISION OF THE UNIVERSITY**

While the development of infrastructure of the University may take a while, it has an ambitious Vision Document prepared in consultation with eminent experts in the field of education. The Vision Document and Strategic Plan of the University as approved by the statutory authorities of the University are available at the website of the University ([www.cuhimachal.ac.in](http://www.cuhimachal.ac.in)). Accordingly, in due course of time, the University will grow to have purpose-built, state-of-the-art campus that will have 17 Schools of Study with nearly 90 Departments of Study and about 50 Centres of Study.

## **LOCATION AND HEADQUARTERS**

The Headquarters of the University is located at Dharamshala, District Kangra, Himachal Pradesh. Dharamshala is a place with profile and is known worldwide. Serene Location, pleasant climatic

condition, spiritual environment provide an attractive ambience conducive to academic pursuits.

## **PERMANENT CAMPUSES**

The University will have campus (es) as and when land is made available by the State Government free from all encumbrances.

## **TEMPORARY CAMPUSES**

Pending the development of its own infrastructure and permanent campus(es), the University is presently operating from its Temporary Campuses comprising the following facilities:

## **CAMP OFFICE**

The Camp Office, which presently serves as the Headquarters of the University is located in the Sanskriti Sadan (Writers' Home), at Dharamshala (Near International Cricket Stadium), District Kangra. The Offices of the Vice Chancellor, Registrar and Finance Officer are located in the Camp Office.

## **TEMPORARY ACADEMIC BLOCK (TAB)**

The Temporary Academic Block of the University is located in a newly constructed college building at Shahpur, District Kangra. Purpose-built, it is an eye-catching spacious three-storied building located amidst picturesque surroundings. Adequate to cater the present needs of classrooms, labs, faculty and students, it provides inspiring ambience for academics. Large open space surrounding the building is enough for sports facilities and games. All Academic Programmes of the University are being run from the Temporary Academic Block.

## **HALLS OF RESIDENCE**

University does not have its permanent hostels. However, to help students coming from far off places, it has rented a building for boys' hostel located in Kangra and for girls' hostel at Sham Nagar, Dharamshala.

## TEMPORARY BOYS HALL OF RESIDENCE

The building hired for Boys' Hostel accommodates about 110 students of the University in two/three-bedded rooms and has facilities for kitchen and Dining Hall. The Hostel Mess is run on cooperative basis by the residents under the supervision of the Warden/Provost. All students who wish to opt for hostel accommodation have to join the hostel mess and make arrangement for transport on their own. However, the University has made available transport facility to the residents and other students coming from Kangra and nearby areas to Temporary Academic Block at Shahpur by paying a token bus coupon fee of Rs. 500 per month.

## TEMPORARY GIRLS HALL OF RESIDENCE

The University has hired a building in Shamnagar Dharamshala on rent for the Girls Hostel of the University. The facility accommodates about 60 Girl students of the University. The University has made

available transport facility to the residents of the hostel to commute between the Hostel and the Temporary Academic Block. However, to avail transport facility, students have to pay a token bus coupon fee of Rs. 500 per month.

## ACCESSIBILITY & CONNECTIVITY

- The Camp Office, Dharamshala is 12 kms from Kangra Airport at Gaggal and 90 km from Pathankot.
- The Temporary Academic Block (TAB) of the Central University of Himachal Pradesh is at Shahpur, located nearly 30 km from Dharamshala on Mandi – Pathankot Highway. From TAB, Kangra Airport at Gaggal is at a distance of 16 km. and Pathankot Railway station is approximately 60 km. All buses from Pathankot scheduled for Dharamshala, Manali, Mandi, Baijnath and Shimla pass through TAB, Shahpur.





## Schools/Departments/Centres of Study

The University shall have the following Schools of Study/Departments/Centres & Colleges Programmes of Study under the below mentioned Schools will be commenced in a phased manner over a period of time.

S. No.	Schools	Colleges/Departments in the School	Centres in the School
<b>Schools/Colleges/Departments/Centres already approved under the Statutes &amp; Ordinances</b>			
1	School of Medical Sciences	<ul style="list-style-type: none"> <li>▪ College of Medical Sciences</li> <li>▪ College of Dental Sciences</li> </ul>	
2	School of Health & Allied Sciences	<ul style="list-style-type: none"> <li>▪ Department of Nursing &amp; Patient Care</li> <li>▪ Department of Physiotherapy</li> <li>▪ Department of Rehabilitation Sciences</li> <li>▪ Department of Pharmaceutical Sciences</li> <li>▪ Department of Pathology &amp; Diagnostics</li> <li>▪ Department of Nutrition &amp; food Technology</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for Criminology &amp; Forensic Sciences</li> <li>▪ Centre for Hospital &amp; Healthcare Management</li> </ul>
3	School of Engineering Sciences & Technology	<ul style="list-style-type: none"> <li>▪ Department of Civil &amp; Environmental Engineering</li> <li>▪ Department of Electrical Engineering &amp; Energy Technology</li> <li>▪ Department of Electronics &amp; Communication Engineering</li> <li>▪ Department of Mechanical &amp; Aerospace Engineering</li> <li>▪ Department of Chemical Engineering &amp; Chemical Technology</li> <li>▪ Department of Computer Engineering &amp; Robotics</li> <li>▪ Department of Pharmaceutical Technologies</li> <li>▪ Department of Biotechnology &amp; Genome</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for Emerging Technologies &amp; Innovation</li> <li>▪ Centre for Earthquake Sciences &amp; Engineering</li> <li>▪ Centre for Skill Development &amp; Community Polytechnic</li> </ul>
4	School of Physical & Material Sciences	<ul style="list-style-type: none"> <li>▪ Department of Physics &amp; Astronomical Science</li> <li>▪ Department of Microwave &amp; Electronics</li> <li>▪ Department of Chemistry &amp; Chemical Sciences</li> <li>▪ Department of Nanoscience &amp; Materials</li> </ul>	Centres of Study: <ul style="list-style-type: none"> <li>▪ Centre for Energy Study</li> <li>▪ Centre for Analytical Techniques in Physical &amp; Material Sciences</li> <li>▪ Centre for Inter-disciplinary Research in Basic Sciences</li> </ul>
5	School of Life Sciences	<ul style="list-style-type: none"> <li>▪ Department of Animal Sciences</li> <li>▪ Department of Plant Sciences</li> <li>▪ Department of Structural Biology</li> <li>▪ Department of Microbiology</li> <li>▪ Department of Biochemistry &amp; Molecular Biology</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for Computational Biology &amp; Bioinformatics</li> <li>▪ Centre for Human Biological Chemistry &amp; Genetics</li> <li>▪ Centre for Biomedical Engineering &amp; Bio-Engineering</li> </ul>
6	School of Earth & Environmental Sciences	<ul style="list-style-type: none"> <li>▪ Department of Geology</li> <li>▪ Department of Geography</li> <li>▪ Department of Environmental Sciences</li> <li>▪ Department of Atmospheric &amp; Planetary Sciences</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for Climate Change, Oceanic Sciences &amp; Glacier Study</li> <li>▪ Centre for Hydrological Sciences &amp; Hydro Energy</li> <li>▪ Centre for Natural Resource Management &amp; Human Ecology</li> </ul>
7	School of Mathematics, Computers & Information Sciences	<ul style="list-style-type: none"> <li>▪ Department of Mathematics</li> <li>▪ Department of Statistics &amp; Actuarial Science</li> <li>▪ Department of Computer Science &amp; Informatics</li> <li>▪ Department of Library &amp; Information Science</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for the Development of Multimedia Systems</li> </ul>

S. No.	Schools	Colleges/Departments in the School	Centres in the School
8	<b>School of Humanities &amp; Languages</b>	<ul style="list-style-type: none"> <li>▪ Department of Philosophy &amp; Human Values</li> <li>▪ Department of Comparative Religion &amp; Civilisation</li> <li>▪ Department of History, Culture &amp; Archaeology</li> <li>▪ Department of Linguistics &amp; Etymology</li> <li>▪ Department of English &amp; European Languages</li> <li>▪ Department of Hindi &amp; Indian Languages</li> <li>▪ Department of Sanskrit &amp; Pali</li> <li>▪ Department of Urdu</li> </ul>	<ul style="list-style-type: none"> <li>▪ Communication and Language Lab</li> <li>▪ Centre for Comparative Literature &amp; Translation Study</li> <li>▪ Centre for Indo-Arab and Iranian Study</li> <li>▪ Centre for Indo-Tibet and Chinese Study</li> </ul>
9	<b>School of Social Sciences</b>	<ul style="list-style-type: none"> <li>▪ Department of Economics &amp; Public Policy</li> <li>▪ Department of Political Sciences &amp; International Relations</li> <li>▪ Department of Public Policy &amp; Public Systems Management</li> <li>▪ Department of Sociology &amp; Social Anthropology</li> <li>▪ Department of Social Work</li> <li>▪ Department of Psychology &amp; Behavioural Sciences</li> <li>▪ Department of Family &amp; Community Sciences</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for Peace Study &amp; Conflict Resolution</li> <li>▪ Centre for South Asian Study</li> <li>▪ Centre for Defence &amp; Strategic Study</li> <li>▪ Centre for the Study of Social Exclusion &amp; Inclusive Policies</li> <li>▪ Centre for Women Study</li> <li>▪ Centre for Dalit &amp; Minority Study</li> <li>▪ Centre for Rural and Tribal Study</li> </ul>
10	<b>School of Education</b>	<ul style="list-style-type: none"> <li>▪ Department of Educational Study</li> <li>▪ Department of Teachers Education</li> <li>▪ Department of Special Education</li> <li>▪ Department of Early Childhood Education</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for Policy Research in Education</li> <li>▪ Centre for Educational Technology &amp; Innovation</li> </ul>
11	<b>School of Business &amp; Management Study</b>	<ul style="list-style-type: none"> <li>▪ Department of Accounting &amp; Finance</li> <li>▪ Department of HRM &amp; Organisational Behaviour</li> <li>▪ Department of Production &amp; Operations Management</li> <li>▪ Department of Marketing &amp; Supply Chain Management</li> <li>▪ Department of Management Science</li> <li>▪ Department of Change Management &amp; Organisation Development</li> <li>▪ Department of International Trade, Business &amp; Finance</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for Corporate Social Responsibility, Ethics &amp; Corporate Governance</li> <li>▪ Centre for Entrepreneurship &amp; Innovation</li> </ul>
12	<b>School of Tourism, Travel and Hospitality Management</b>	<ul style="list-style-type: none"> <li>▪ Department of Tourism &amp; Travel Management</li> <li>▪ Department of Hotel &amp; Hospitality Management</li> <li>▪ Department of Event, Trade Fair &amp; Exhibition Management</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for the Promotion of Ecological, Adventure, Health &amp; Cultural Tourism</li> </ul>
13	<b>School of Fine Arts &amp; Art Education</b>	<ul style="list-style-type: none"> <li>▪ Department of Performing Arts</li> <li>▪ Department of Visual Arts</li> <li>▪ Department of History of Art, Art Education &amp; Art Appreciation</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for Popularisation and Preservation of Pahari Language, Art, Culture &amp; Handicrafts</li> </ul>
14	<b>School of Journalism, Mass Communication &amp; New Media</b>	<ul style="list-style-type: none"> <li>▪ Department of Journalism &amp; Creative Writing</li> <li>▪ Department of Mass Communication &amp; Electronic Media</li> <li>▪ Department of Photography, Films &amp; Television</li> <li>▪ Department of Advertising and Marketing Communication</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for Media Study &amp; Development Communication</li> </ul>



S. No.	Schools	Colleges/Departments in the School	Centres in the School
<b>Schools/Colleges/Departments/Centres yet to be approved as per the Statutes &amp; Ordinances</b>			
15	<b>School of Planning , Architecture &amp; Design</b>	<ul style="list-style-type: none"> <li>▪ Department of Architecture</li> <li>▪ Department of Landscape Architecture</li> <li>▪ Department of Interior Design</li> <li>▪ Department of Planning</li> <li>▪ Department of Design</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for Urban Renewal and Architectural Conservation</li> </ul>
16	<b>School of Law &amp; Jurisprudence</b>	<ul style="list-style-type: none"> <li>▪ Department of Constitutional Law</li> <li>▪ Department of Administrative Law</li> <li>▪ Department of Criminal Law</li> <li>▪ Department of Corporate &amp; Taxation Law</li> <li>▪ Department of Labour Laws &amp; Industrial Relations</li> <li>▪ Department of International Law</li> <li>▪ Department of Personal Law</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for Comparative Law &amp; Jurisprudence</li> <li>▪ Centre for the Study of Cyber Law &amp; Cyber Crimes</li> <li>▪ Centre for the Study of WTO, WIPO &amp; IPR related Laws</li> <li>▪ Centre for Human Rights</li> <li>▪ Centre for Environmental Law</li> </ul>
17	<b>School of Physical Education, Sports and Athletics</b>	<ul style="list-style-type: none"> <li>▪ Department of Athletics</li> <li>▪ Department of Indoor Games &amp; Sports</li> <li>▪ Department of Court Games &amp; Sports</li> <li>▪ Department of Field Games &amp; Sports</li> <li>▪ Department of Water Sports</li> <li>▪ Department of Equestrian</li> <li>▪ Department of Shooting &amp; Archery</li> <li>▪ Department of Adventure Sports &amp; Trekking</li> </ul>	<ul style="list-style-type: none"> <li>▪ Centre for Sports Psychology</li> <li>▪ Centre for Sports Medicine</li> <li>▪ Centre for Sports Physiotherapy</li> <li>▪ Centre for Yoga and other Fitness Regimen</li> </ul>



## Salient Features of The University

### **ADMISSION BASED ON SINGLE COMMON ENTRANCETEST**

The University has introduced **FEAT (Further Education Aptitude Test)** as a common National level entrance examination for admission to PG Programmes of Study to assess the knowledge of subject, comprehension, reasoning and aptitude of the student to pursue higher studies. Candidates seeking admission in the University shall be required to fill up only a single admission form indicating their preference for **any two Programmes of Study** and shall be required to take only one entrance examination.

### **Innovative Programmes & Curricular Framework**

Guided by the reforms agenda in higher education and learning from the experiences of the best universities of the world, the University has introduced a number of innovations, as detailed below:

**Semester-based Academic Calendar:** All academic programmes of the University – Undergraduate (UG), Post Graduate (PG) and MPhil/PhD i.e. Research Degrees (RD) – are based on semester system, designed at par with global practices in terms of effective number of teaching days and teaching-learning inputs.

◆ **Programmes based on Comprehensive Choice Based Credit System:** The University has introduced Comprehensive Choice Based Credit System (CCBCS) as per UGC norms largely on the lines of the best universities of the world.

◆ **Programmes of Study are defined in terms of Credits:** As opposed to papers/courses in the conventional system, a student shall be required to accumulate:

- ◆ 140 UG Credits to earn a UG degree
- ◆ 80 PG Credits to earn a PG degree
- ◆ 60 RD Credits to earn an MPhil degree
- ◆ 120 RD Credits to earn a PhD degree

◆ **Students Mobility and Credit Transfer:** The University has designed a framework to facilitate credit accumulation by its students from other recognised

universities of India and abroad. The university has developed a structured mechanism to work out the equivalence and accept the transfer of credits earned by its students from other universities as per the relevant ordinance of the Central University of Himachal Pradesh.

**Students to accumulate required number of credits from across disciplines:** The interdisciplinary approach in the selection of courses is followed with most of the courses from the department and rest from other schools/departments of the university.

**Innovative approach in designing Programmes of Study:** Department of Study would not design Programmes of Study as such. Instead, they would (a) Design and offer courses, based on the expertise and specialisation of their faculty members; (b) Specify pre-requisite and co-requisites for each course offered; (c) Guide the students to make their own basket of courses to accumulate the required credits to complete their Programme of Study. Thus, the focus is on 'learner-centred approach' (as opposed to the conventional 'teacher-centred approach') to accommodate learner's needs and expectations to have wider choices in content, mode and pace of learning.

**Computation of Credits based on a Holistic Approach to Learning:** In the Central University of Himachal Pradesh, one credit is defined as equivalent to the Total Student's Effort (TSE) of 30 hours comprising:

- ◆ 10 hours of lectures/organised classroom activity/contact hours;
- ◆ 5 hours of laboratory work/ practical/field work/tutorials/teacher-led activities;
- ◆ 15 hours of other workload such as independent individual/ group work; obligatory/ optional work placement; literature survey/ library work; data collection/ field work; writing of papers/projects/dissertation/thesis; seminars, etc.

Thus, the focus is on in-depth learning driven by intrinsic curiosity and mastery of the subject by balancing the taught content with independent self-directed learning.

◆ **All Programmes of Study to be Modular:** All Programmes of Study in the university are designed as modular with exit and lateral entry option. While most students may want to complete their UG/PG/RD without any break, some may opt out of the Programme of Study mid-way due to their personal compelling reasons. The University, therefore, provides a structured framework for students to opt out mid-programme, whereby, depending on the extent of time spent on campus and credits accumulated by them, they will be awarded certificate/diploma/advanced diploma. For instance, if any student wants to quit study after two semesters, he/she can do so and would be awarded an appropriate Certificate/Diploma/Advanced Diploma and can re-join his/her study from this point within two years again. Thus:

**A Student Admitted to UG Programme may get:**

- ◆ Certificate (if s/he opts out after 2 Semesters with 40 UG Credits);
- ◆ Diploma (if s/he opts out after 4 Semesters with 80 UG Credits);
- ◆ Bachelor's Degree (if stays on to complete full 6 semesters with 120 UG Credits).

**A Student Admitted to PG Programme may get:**

- ◆ Advanced Diploma (if opts out after 2 semesters with 40 PG credits);
- ◆ Master Degree (if s/he stays on for full 4 semesters with 80 PG credits).

Those who thus opt out would be eligible to join laterally to complete and earn their degree, if they return to the university within the next two years.

◆ **All Programmes of Study to be Multi-disciplinary/Inter-disciplinary:** While Departments of Study of the University are designed around basic disciplines (to enable faculty members to continue to focus on their specialised areas of research) each Programme of Study of the university is multi-disciplinary. The student is empowered to accumulate required number of credits from a wide variety of courses offered throughout the university (e.g. a student will be entitled to learn mathematics with music, physics with philosophy, and technical courses with humanities and so on). Accordingly:

◆ **At PG level, a student would be required to accumulate total 80 PG credits as under:**

Course Type		Credits required
Core Courses	Compulsary (50%)	40
	Open (15%)	12
Elective Courses	Specialisation (20%)	16
	Open (5%)	4
Foundation Courses	Human Making (5%)	4
	Skill Development (5%)	4
<b>Total credit requirements (100%)</b>		<b>80</b>

◆ **At UG level, a student would be required to accumulate total 140 UG credits as under:**

Course Type		Credits required
Core Courses	Compulsary (60%)	72
	Open (10%)	12
Elective Courses	Specialisation (10%)	12
	Open (10%)	12
Foundation Courses	Human Making (5%)	6
	Skill Development (5%)	6
	Project work	20
	Disseration	20
<b>Total credit requirements as per UGC guidelines (100%)</b>		<b>140</b>

◆ **All Programmes to be based on Comprehensive Continuous Internal Assessment:**

Students in all Programmes of Study across disciplines and at all levels shall be assessed through Comprehensive Continuous Internal Assessment based on quiz, assignments, independent work, group work, mid-semester and end-semester examination. As a general principle, the Comprehensive Continuous Internal Assessment shall comprise the following components:

- ◆ Continuous Internal Assessment - 25%
- ◆ Mid Semester Examination - 25%
- ◆ End Semester Examination - 50%

◆ **All Programmes of Study to have Grading System:** The University shall have grading system based on **Ten point scale of evaluation** of the performances of students in terms of Marks, Grade points, Letter grade and Description of letter grades. The total performance of a student within a semester and continuous performance from the second semester onwards shall be indicated by (a) Semester Grade Point Average (SGPA) (b) Semester Percentage Marks (SPM) (c) Cumulative Grade Point Average (CGPA) and (d) Overall Percentage of Marks (OPM) with CGPA & OPM being the real indicators of a student's



performance.

### **INNOVATIVE RESEARCH DEGREE (MPhil/PhD) PROGRAMMES:**

The University has rigorous full time Research Degree (RD) Programmes that aim at honing the research skills, grooming teaching abilities, producing quality research

publications and ensuring proactive participation in seminars and conferences. Accordingly, the award of RD requires a student to accumulate credits through course work, teaching assistantship, published work and dissertation/ thesis. The duration and credit requirements for MPhil and PhD Programmes are as under:

<b>MPhil:</b> For successful completion of the RD Programme leading to the award of the Mphil degree, a student shall be required to accumulate a total of 60 RD Credits as under: Course Work: 20 Credits Dissertation: 20 Credits Publications: 10 Credits Teaching Assistantships: 10 Credits	<b>Phd:</b> For successful completion of the RD Programme leading to the award of the PhD degree, a student shall be required to accumulate a total of 120 RD Credits as under: Course Work: 20 Credits Dissertation: 60 Credits Publications: 20 Credits Teaching Assistantships: 20 Credits
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◆ A candidate admitted to the Research Degree (RD) Programme shall be required to complete the prescribed course work in the first two Semesters of his/her admission. Notwithstanding the maximum prescribed duration of the Research Degree Programme, if a candidate fails to complete the prescribed course work in two semesters, his/her admission shall be cancelled and his/her name shall be removed from the rolls of the University. Provided further that no candidate admitted to the Research Degree Programme shall be permitted to proceed with the dissertation work till such time he/she completes the prescribed course work.

◆ Immediately upon the completion of formalities for admission in the Research Degree Programme, each candidate shall be required to submit in writing, on the prescribed format, as to whether s/he wishes to pursue MPhil or PhD Degree.

◆ In case a candidate admitted to the Research Degree Programme holds M.Phil. degree from this university or other universities, the Credit requirements for course work, publication and teaching assistantship shall be adjusted accordingly. Such candidates will, however be required to complete the full 60 RD Credits for thesis work along with the balance of credits for the course work, publication work and teaching assistantship.

◆ Computation of Credits for Published Work for

MPhil and PhD degree would be made as under:

- i) 2 credits for each popular article published / paper presented in national seminars/ conferences/ workshops;
- ii) 4 credits for each paper presented in international seminars/ conferences/ workshops;
- iii) 5 credits for each paper in approved refereed national journal;
- iv) 10 credits for each paper in approved refereed international journal;
- v) Each Department/Centre registering candidates for RD Programme shall be required to maintain an updated list of approved journals for publication.

◆ Computation of credits for Teaching Assistantships for the MPhil and PhD degree would be made as under:

- i) 5 credits for working for shared teaching of a one-semester course of two credits; Maximum 10 credits from this category.
- ii) 1 credit for every 30 hours of involvement in assessment, evaluation, examination, course development, development of reading lists, etc. Maximum 10 credits from this category.
- iii) One credit for every 15 hours of invigilation in examination. Maximum 10 credits from this category. Provided further that one has to earn at least two credits from each section. (Supervisor concerned to audit the workload claimed under this category and certify)

**Subject to the fulfilment of UGC / University norms and requirements, candidates admitted to MPhil/PhD Programmes shall be eligible to receive Fellowships and Contingency Grant as applicable to Non-JRF candidates as per UGC rules.**

## Academic Resources At Temporary Academic Block (Tab)

Development of physical facilities and infrastructure for the permanent campus(es) of the university may take some time. In the interim, however, the University has commenced its academic activities from the Temporary Academic Block (TAB) located at Shahpur which has the following facilities:

FACILITIES	DETAILS
<b>Classrooms/Lecture Theatre</b>	<ul style="list-style-type: none"> <li>▪ Six state of the art Classrooms with the seating capacity of 50 each</li> <li>▪ Six state of the art Lecture Theatres with the seating capacity of 90 each</li> <li>▪ Seven smart classrooms/Lecture Theatres.</li> <li>▪ Two Rooms for Group Discussion/Projects/Workshops with a capacity to accommodate 20 persons</li> <li>▪ All classrooms are equipped with Multimedia projector/Internet connectivity</li> </ul>
<b>Seminar Room/Conference Hall</b>	<ul style="list-style-type: none"> <li>▪ One Conference Hall with the seating capacity of 250 persons</li> <li>▪ One well-equipped Seminar Hall with the seating capacity of 140 persons</li> </ul>
<b>Laboratories</b>	<ul style="list-style-type: none"> <li>▪ Physics Laboratory</li> <li>▪ Environmental Sciences Lab.</li> <li>▪ Computational Biology's Computer Lab.</li> <li>▪ IT Lab.</li> </ul>
<b>Office Space/Workstations/Counters:</b>	<ul style="list-style-type: none"> <li>▪ Three chambers and offices for the senior officers of the University</li> <li>▪ Central office comprising reception, cash counters, two cabins and six workstations</li> <li>▪ Strong Room for examination and other confidential records</li> </ul>
<b>Faculty Rooms/Cubicles/Workstation</b>	<ul style="list-style-type: none"> <li>▪ Seven fully furnished cabins for Deans/Heads/Professors</li> <li>▪ Seven Workstations for Offices of the Schools/Departments</li> <li>▪ Seventy Seven Workstations for Associate Professors/Assistant Professors</li> <li>▪ Two workstations for COE's office staff</li> </ul>
<b>Library &amp; Information Resource Centre (LIRC)</b>	<ul style="list-style-type: none"> <li>▪ 11 Terminals for electronic access to catalogue and e-resources</li> <li>▪ Reading Room with seating capacity of about 40 persons at a time</li> <li>▪ Lockers for about 100 persons</li> <li>▪ Chamber for the Librarian/Store Room/Photocopying facility</li> <li>▪ Software of University Libraries (SOUL) from the INFLIBNET;</li> <li>▪ E Resources through UGC-INFONET provided by INFLIBNET</li> </ul>
<b>Other Facilities</b>	<ul style="list-style-type: none"> <li>▪ Facilities for purified drinking water</li> <li>▪ Photocopying facility for students and staff on payment basis</li> <li>▪ Mini gym/activity rooms/playground with skeleton facilities</li> </ul>
<b>Internet Connectivity</b>	<ul style="list-style-type: none"> <li>▪ 1 GBPS connectivity under the National Knowledge Network (NKN)/NME-ICT</li> </ul>
<b>LAN/Wi-Fi</b>	<ul style="list-style-type: none"> <li>▪ Local Area Network (LAN) and Wi-Fi connectivity throughout the Temporary Academic Block</li> </ul>
<b>Research Scholars' Labs</b>	<ul style="list-style-type: none"> <li>▪ The University has a fully computerised three research labs with the seating capacity of 114 scholars.</li> </ul>
<b>Computing Facility</b>	<ul style="list-style-type: none"> <li>▪ The University has about 174 Desktops and 8 Laptops for IT Lab, Teachers and office of the Temporary Academic Block.</li> </ul>
<b>Communication Facility</b>	<ul style="list-style-type: none"> <li>▪ Five landline telephone connections;</li> <li>▪ 64 line EPBAX system has been installed.</li> </ul>
<b>Generator Facility</b>	<ul style="list-style-type: none"> <li>▪ 320 kva generator facility providing round the clock power back-up</li> </ul>
<b>Video Conferencing Facility</b>	<ul style="list-style-type: none"> <li>▪ NKN based video conferencing infrastructure</li> </ul>
<b>Canteen Facility</b>	<ul style="list-style-type: none"> <li>▪ Canteen</li> </ul>
<b>ATM Facility</b>	<ul style="list-style-type: none"> <li>▪ Canara Bank's ATM facility at Temporary Academic Block, Shahpur</li> </ul>

## Faculty and Intellectual Resources

The University is committed to provide quality teaching-learning environment on its campus from the start through recruitment of highly qualified full time faculty on regular basis, besides making suitable arrangement for immediate availability of faculty by appointment on deputation/ contract/guest faculty/visiting faculty/invited lectures. The UGC has approved 140 faculty positions comprising Professors, Associate Professors and Assistant Professors for the Programmes of Study proposed by the University. The details of faculty are given below:

SCHOOL/DEPARTMENT / CENTRE	DESIGNATION	FACULTY
<b>1. School of Business &amp; Management Studies (SBMS): Dean: Dr Sanjeev Gupta, PhD</b>		
Accounting & Finance (A&F)	Associate Professor & Head	Dr. Sanjeev Gupta, PhD
	Assistant Professor	Dr. Manpreet Arora, PhD
		Dr. Ashish Nag, PhD
		Mr. Mohd. Atif, MCom, JRF
Marketing & Supply Chain Management (M&SCM)	Associate Professor & Head	Dr. Bhagwan Singh, PhD
	Assistant Professor	Mr. Chaman Lal, MPhil, JRF Dr. Sarvesh Kumar, PhD
Human Resource Management & Organization Behaviour (HRM & OB)	Professor & Head	Prof. Yoginder S. Verma, PhD
	Assistant Professor	Dr. Gitanjli Upadhaya, PhD
		Dr. Bhawana Bhardwaj, PhD
Centre for Entrepreneurship & Innovation (CEDI)	Director	Prof. H. R. Sharma, PhD
<b>2. School of Earth &amp; Environmental Sciences (SEES): Dean: Dr Deepak Pant PhD</b>		
Environmental Sciences (ES)	Professor	Prof. Ambrish Kumar Mahajan PhD
	Associate Professor & Head	Dr. Deepak Pant, PhD
	Associate Professor	Dr. Mushtaq Ahmad, PhD
	Assistant Professor	Dr. Ankit Tandon, PhD
		Dr. Anurag Linda, PhD
Dr. Subhankar Chatterjee, PhD		
<b>3. School of Education (SoE): Dean: Dr. Manoj K. Saxena, PhD</b>		
Teacher Education (TE)	Associate Professor & Head	Dr. Manoj K. Saxena, PhD
	Assistant Professor	Dr. Anu G.S., PhD
		Dr. Navneet Sharma, PhD
		Ms. Prakrati Bhargava, M.Phil, M.Ed Ms. Renu Bhandari, M.Ed, NET
<b>4. School of Humanities &amp; Languages (SHL): Dean: Dr. Roshan Lal Sharma, PhD</b>		
English & European Languages (EEL)	Associate Professor & Head	Dr. Roshan Lal Sharma, PhD
	Assistant Professor	Dr. Khem Raj Sharma, PhD
		Dr. Hem Raj Bansal, PhD
		Ms. Shaweta Nanda, MPhil, NET Dr. K.B.S. Krishna, PhD
Hindi & Indian Languages (HIL)	Head	Dr. Roshan Lal Sharma, PhD
	Assistant Professor	Dr. Sayema Bano, PhD Mr. Chandra Kant Singh, MPhil, NET
Sanskrit and Pali (SP)	Head	Dr. Roshan Lal Sharma, PhD

<b>5. School of Journalism Mass Communication &amp; New Media (SJMCNM): Dean: Dr. Pradeep Nair, PhD</b>		
Journalism & Creative Writing (JCW)	Associate Professor&Head	Dr. Rabindranath M., PhD
	Assistant Professor	Dr. Archana Katoch, PhD
		Mr. Harikrishnan B., MCJ, NET Dr. Harsh Mishra, PhD
Mass Communication & Electronic Media (MCE)	Associate Professor&Head	Dr. Pradeep Nair, PhD
	Assistant Professor	Dr. Ram Pravesh Rai, PhD Sh. Kuldeep Singh, MJMC, NET
<b>6. School of Life Sciences (SLS): Dean: Professor Yoginder S.Verma, PhD</b>		
Centre for Computational Biology & Bioinformatics (CCBB)	Director	Prof. Ambrish Kumar Mahajan, PhD
	Assistant Professor	Dr. Polamarasetty Aparoy, PhD
		Dr. Vikram Singh, PhD
		Dr. Yusuf Akhter, PhD Mr. Shailender K.Verma, MSc, NET
<b>7. School of Mathematics, Computers &amp; Information Science (SMCIS): Dean: Professor I. V. Malhan, PhD</b>		
Mathematics (MTH)	Head	Prof. I. V. Malhan, PhD
	Assistant Professor	Dr. Sachin Srivastava, PhD
		Dr. Ravinder Singh, PhD Dr. Rakesh Kumar, PhD
Computer Science & Informatics (CSI)	Head	Prof. I. V. Malhan, PhD
	Assistant Professor	Mr. Manoj Dhiman, MCA, NET Mr. Keshav Singh Rawat, MTech, NET
Library & Information Science (LSI)	Professor&Head	Prof. I. V. Malhan, PhD
	Assistant Professor	Dr. Dimple Patel, PhD Mr. Nimmala Karunakar, MLib, NET
<b>8. School of Physical &amp; Material Sciences (SPMS): Dean: Dr. O.S.K.S. Sastri, PhD</b>		
Physics & Astronomical Science (PAS)	Associate Professor	Dr. O.S.K.S. Sastri, PhD
	Associate Professor & Head	Dr. B. C. Chauhan, PhD
	Assistant Professor	Dr. Ayan Chatterjee, PhD
		Dr. Surender Verma, PhD
		Dr. Dalip Singh Verma, PhD
		Dr. Jagdish Kumar, PhD
		Dr. Padamnabh Rai, PhD (UGC-Assistnat Professor)
Dr. Rajnish Tiwari, PhD (DST Inspire Faculty)		
<b>9. School of Social Sciences (SSS): Dean: Professor H. R. Sharma, PhD</b>		
Social Work (SW)	Professor	Prof. Arvind Agarwal PhD (On Lien)
	Associate Professor & Head	Dr. Asutosh Pradhan, PhD
	Assistant Professor	Ms. Ambreen Jamali, MSW, NET Mr. Shabab Ahmad, MPhil, NET
Economics & Public Policy (EPP)	Professor & Head	Prof. H. R. Sharma, PhD
	Assistant Professor	Mr. Amit K. Basantaray, MPhil, NET Mr. Indervir Singh, MPhil, JRF
		Mr. Kamal Singh, MA, NET
<b>10. School of Tourism, Travel &amp; Hospitality Management (STTHM): Dean: Professor H. R. Sharma, PhD</b>		
Tourism & Travel Management (TTM)	Head	Prof. H. R. Sharma, PhD
	Assistant Professor	Dr. Suman Sharma, PhD
		Mr. Arun Bhatia, MTA, NET
		Mr. Debasis Sahoo, MTA, NET Dr. S.Sundararaman, PhD

Besides the full-time faculty, the University invites eminent and experienced academicians, professionals and practitioners to enrich teaching-learning process. This helps in providing quality inputs in teaching and research.



## Events and Activities

### **THIRD ANNUAL CONVOCATION**

The Third Annual Convocation of the Central University of Himachal Pradesh was held on 01 February 2016. The Hon'ble Minister of Human Resource and Development, Govt. of India Smt. Samriti Zubin Irani was the Chief Guest. Sh. Arun Maira, the Chancellor of the University presided over the Convocation. On this occasion, the degrees were conferred on 633 PG and PhD students. Advanced Diplomas were awarded to two students. Twenty eight students received the Certificate of Merit with Gold Medals.

### **MoU WITH IIM AHMEDABAD**

School of Business and Management Studies has signed an agreement with Indian Institute of Management Ahmedabad (IIMA) to access and download unlimited number of cases and technical notes developed by the IIMA. IIMA will also provide necessary training and technical help to the faculty of the School for developing cases as well as in using case study techniques in teaching pedagogy.

### **MoU WITH UNIVERSITY OF APPLIED SCIENCES, FRANKFURT, GERMANY**

An MoU was signed between the University of Applied Sciences, Frankfurt, Germany and the Central University of Himachal Pradesh, Dharamshala to join hands in the sphere of academic & research programs, exchange of faculty, students & publications and other allied fields for furtherance of knowledge based enterprises, apt technical and management skills for future technology development, information exchange and work towards innovative & effective research, academic partnerships for Human Resource Development and R&D. The scope of the MoU will be to collaborate for research and teaching in the designated subjects of Social Work, Management, Economics, English & European Languages, Physical, Life Science and Environment Sciences, Education, etc. This MoU will remain in force upto five years and it can be extended on mutual agreement further. In July 2014, four students of the department of Social Work went to Frankfurt to attend Summer School under the leadership of Prof. Arvind Agrawal, who was a visiting faculty in the University of Applied Sciences, Frankfurt.

### **MoU WITH INFLIBNET**

An MoU has been signed with the INFLIBNET to facilitate research scholars of the University to submit their theses into "Shodhganga: A Repository of Indian Electronic Theses and Dissertations", which inter alia, entitled the University to access all resources that UGC may provide either directly to the universities or through INFLIBNET Centre in terms of digitisation of back-files of theses or access to software tools to deter plagiarism in theses and dissertations. The MoU with INFLIBNET will also facilitate researchers to submit their synopses into "Shodhgangotri: Repository of Indian Research in Progress". In time, ETDs would become more commonplace, grant-giving agencies and accreditation bodies like NAAC and AICTE would make judgments regarding innovative universities by taking note of these initiatives such as ETDs and IRs.

### **MoU WITH TERMINAL BALLISTICS RESEARCH LABORATORIES**

An MOU was signed between the Terminal Ballistics Research Laboratories (TBRL), Chandigarh and the Central University of Himachal Pradesh, Dharamshala to establish cooperative arrangements towards strengthening Indian Higher Education and Research through mutual understanding, exchange of information and facilities as well as expertise available at CUHP in the School of Physical and Material Sciences and TBRL. TBRL is part of the Defence Research Development Organisation (DRDO) under the Ministry of Defence, GOI. Dr. Manjit Singh, Director, TBRL and the Registrar of CUHP were the signatories to the MOU from either side. This is an effective measure to establish Defence - Academia Partnership for Research and Development as well as for Human Resource Development. This MoU will remain in force up to five years i.e. 2018 and it can be extended on mutual agreement further. As a part of the MOU, research programmes and conferences of mutual interest shall be taken-up jointly. This agreement also enables to launch courses in emerging fields which may be equally useful to TBRL for its ongoing R & D programmes. Such an effort will create opportunities for undertaking research in cutting-edge technologies in critical defence areas. The facilities of TBRL will be extended to carry out research and project work for PG, M. Phil and PhD programmes.

## SCHOOL OF EDUCATION

◆ A three day workshop on ICT integrated teacher education for teachers of DIETs in HP was organized by School of Education from 15 to 17 April 2015.

◆ A One Day workshop on Development of OER policy on 01-09-2015. OER Policy for CUHP was finalized on January 8, 2016.

◆ A short film 'Patel' was screened on the occasion of Integration Week by School of Education.

## DEEN DAYAL UPADHAYAY KAUSHAL KENDRA

◆ A Five Day workshop on Employability Skill through Life Skill Approaches was organized by Deen Dayal Upadhayay Kaushal Kendra from 23-27 November, 2015.

◆ A Ten Day workshop for Budding Journalists was organized by Deen Dayal Upadhayay Kaushal Kendra from 5 to 14 February 2016.

◆ A Two Day National Seminar on Skill Development in Higher Education was organized by Deen Dayal Upadhayay Kaushal Kendra on 29, 30 March 2016.

## DEPARTMENT OF ENVIRONMENTAL SCIENCES

◆ Second Phase of Pan-India Debating Competition of Indian Geological Congress was organized by Department of Environmental Sciences.

◆ A National workshop on Recent Trends in Environmental Sciences and Carbon Management was organized by Department of Environmental Sciences.

◆ International Mother Earth Day-2015 with a theme "Water Wonderful World" was celebrated by Department of Environmental Sciences.

National Science Day with a theme "Science for Nation Building" was celebrated by Department of Environmental Sciences.

## DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES

• One Day Participatory Seminar on **Decolonizing the Imagination: Learning and Literature in a Hot and Crowded World** on 11 June 2015.

- Two Day Seminar on **Indian & Western Literary Theory** on 30, 31 October 2015
- Two Day Workshop on Book Review on 22, 23

April 2015.

- "Interrogating Gandhi's Vision: Culture, Education & Nation Making" by Professor Sudhir, Kumar, Dept. of English, Punjab University, Chandigarh on 31 October 2016.
- "Life and Works of Sardar Vallabhbhai Patel" by Professor Kuldip Chand Agnihotri, Hon'ble Vice Chancellor, Central University of Himachal Pradesh.

## Department of Sanskrit

- A special lecture on 'Vyaktitva Vikas ke Liye Sanskrit Ki Upadeya' was delivered by Prof. Laxmi Niwas Pandey on 05-11-2015
- A workshop on 'Sanskrit-Samvad-Lekhan-Anuvad' was organised from 17-03-2016 to 26-03-2016
- Yoga camp was organized from 17-03-2016 to 26-03-2016



## Department of Hindi

- One Day Symposium on "Pravasi Hindi Sahitya: Samsyayen Aur Sarokar" on 13 May 2015.
- Matribhasha Divas celebrated on 27 February 2016.

## Co-curricular & Extra Curricular Activities

### **FIELDWORKS/COMMUNITY LAB**

The University offers a unique programme called Community Lab to connect, interact and network with the community in Himachal Pradesh, particularly the region in which the University is located. The Programme is integrated in the academic curricula. The students are assigned specific number of households in the identified villages. They collect data, prepare report, identify intervention strategies and work with the community towards their socio-cultural, educational and economic development and in the process enrich themselves with real-life experiences.

### **EXTRA-CURRICULAR ACTIVITIES**

Limited facilities for games, sports and other extracurricular facilities are being made available at the Temporary Academic Block (TAB). These include outdoor games such as volleyball, badminton and basketball. Besides, a functional gym and facilities for selected indoor games are also being arranged.

### **CULTURAL ACTIVITIES**

The University has a Cultural Society, a Debating Club, a Music Club, a Nature Club, a Film Club, a Theatre Group, and a Photography Club. It has very rich corporate life.

### **EDUCATIONAL TOURS/INDUSTRIAL VISITS**

Different Schools of the University organise Educational

Tours and Industrial Visit for the students. These are aimed at exposing the students to the practical aspects of their discipline and sensitise them about the career opportunities and through that process help students chart out their career options and strategies.

### **SOCIAL AWARENESS CAMPAIGN**

Students of the University proactively participate in a variety of activities leading to social awareness. These include poster competition, awareness programmes, sensitisation on social issues, organisations of debates and discussion, etc. This has led to the University forming Red Ribbon Club, which has now been upgraded and recognised as Youth Development Centre.

### **BLOOD DONATION CAMPAIGN**

Blood donation camps have become a regular annual feature of the University. During a year 85 donors donated blood, thus creating history of single largest blood donation drive ever by an educational institution in the area.

### **TRAINING AND DEVELOPMENT PROGRAMMES**

The University is working closely with the Government of Himachal Pradesh in capacity building training programmes for the teachers of government colleges in the State.

## Enabling Services

### **FREESHIPS**

In order to support the meritorious but needy students, the university grants Freeships to certain percentage of its students, limited to the percentage as may be prescribed by the University Grants Commission (UGC) in this regard from time to time. Award of Freeship includes exemption from the payment of all fees chargeable by the University on per credit basis, as notified in the prospectus, including exemption from professional development fees, if any. Such Freeships shall be granted by the Dean of the School concerned.

### **TRANSPORT FACILITIES**

The University has arranged transport facilities, on nominal charge, to ferry students of the University from Dharamshala and Kangra to the Temporary Academic

Block at Shahpur. Students residing in the hostels of the University are also covered by the transport facility from hostel to Temporary Academic Block at Shahpur.

### **TRAINING AND PLACEMENT CELL**

The main objective of the Training and Placement Cell is to develop strong relationship with companies all over India. The personnel of this Cell visit potential employers in various companies and apprise them of the ample talent available at the School of Business and Management Science at Central University of Himachal Pradesh. The Training and Placement Cell organizes various activities such as industrial visits, invited lectures from industrialists, mock interviews, industry-academia interface, pre-placement talks and workshops, etc. which

give ample opportunities to the industry as well as the students to interact with each other. Training and Placement Cell facilitates Summer Placement Programme for MBA students. An eight-Week On-the-Job Training is an integral part of the curriculum of the Management Programme of the School. This training helps the students in getting first hand exposure to corporate culture and developing their awareness, skills and values to improve their readiness to shoulder the managerial responsibilities of future organizations at national and global level. Similarly students of MSW, MBA (T&T) and M.Lib Sciences are required to do On-the-Job Training for eight-Weeks during July-August. Efforts are being made to provide employment to the students of university.

#### UNIVERSITY-INDUSTRY INTERFACE

The University strives to have a vibrant university-industry interface aimed at collaborative work in the arena of curricula development, shared teaching, research and praxis.

#### COUNSELLING & GUIDANCE

Students of the University are provided with expert

counselling and guidance.

#### GRIEVANCE REDRESSAL CELL

University has created a cell to address the grievances of students in order to promote cohesive and healthy corporate living on the campus

#### PREVENTION OF SEXUAL HARASSMENT

To prevent any incidence of Sexual Harassment, a Committee in accordance with the relevant guidelines has been constituted.

#### ANTI-RAGGING COMMITTEE

The University is committed to prevent ragging. To prevent any incidence of ragging there is a duly constituted Committee in accordance with the relevant guidelines.

#### HEALTHCARE FACILITIES

The University gets a Medical Practitioner from local Government Medical College to provide health facilities to the teachers, staff and students.

## Salient Features of UG / PG Programmes of Study

COURSE / SCHOOLS / DEPARTMENT	SALIENT FEATURES
<b>SCHOOL OF BUSINESS &amp; MANAGEMENT STUDIES</b>	
<ul style="list-style-type: none"> <li>• <b>MBA (Master of Business Administration) In the Department of:</b> <ul style="list-style-type: none"> <li>❖ <b>Accounting &amp; Finance</b></li> <li>❖ <b>Marketing &amp; Supply Chain Management</b></li> <li>❖ <b>Human Resource Management</b></li> <li>❖ <b>Centre for Entrepreneurship and Innovation</b></li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>❖ Strong academia-industry interface</li> <li>❖ Community laboratory for providing exposure to apply knowledge</li> <li>❖ Summer placement of students in industry for eight weeks</li> <li>❖ Project Work based on field study</li> <li>❖ Development of entrepreneurship and strong leadership skills</li> <li>❖ Wide range of professional and personal development activities such as Management Fests, Workshops, Field Visits, Industrial Visits, Quiz, Case Studies, Role-plays, etc.</li> <li>❖ Research thrusts on corporate finance, web-based marketing, human resource issues, entrepreneurship, strategic marketing and international finance.</li> </ul>



SCHOOL OF EARTH & ENVIRONMENTAL SCIENCES	
<ul style="list-style-type: none"> <li>• <b>MSc (Environmental Sciences)</b> <b>In the Department of Environmental Sciences</b></li> </ul>	<ul style="list-style-type: none"> <li>❖ Multidisciplinary applied science postgraduate course to understand the earth and its environment</li> <li>❖ Skill development to conduct environmental impact assessment studies for various industrial and Developmental projects</li> <li>❖ Training in analytical techniques for environmental monitoring and assessment</li> <li>❖ Summer training and Project work on various scientific problems related to contemporary environmental issues in different industries or national laboratories</li> <li>❖ Faculty with diverse research areas / interests</li> <li>❖ Thrust areas of research include Seismic Studies, Waste Management and Detoxification, Geochemistry Palaeoclimate Geomorphology, Environmental Microbiology, Atmospheric Dynamics, Glaciology and Remote Sensing and Environmental Biotechnology</li> <li>❖ Environmental Science lab is well furnished with the modern research facilities and equipment such as PCR Machine, Gel Documentation System, Electrophoresis Apparatus, HPLC, Ion Chromatography system, Micro tremor system, Ground Penetration Radar, Engineering Seismograph and FTIR Spectrophotometer</li> </ul>
SCHOOL OF EDUCATION	
<ul style="list-style-type: none"> <li>• <b>MA(Education)</b> <b>In the Department of Teacher Education</b></li> </ul>	<ul style="list-style-type: none"> <li>❖ Emphasis on culmination of theory and practice of education into one integral whole.</li> <li>❖ Comprehensive in-depth knowledge of the universe of educational contents and intents.</li> <li>❖ Emphasis upon the Constructivism and Constructionism paradigms of teaching, learning, assessment and research.</li> <li>❖ Preparing future teachers with good command of learning blended with social responsibility and cultural responsiveness.</li> <li>❖ Research thrusts of the School include Epistemology &amp; Education, Mathematics &amp; Science Education, Constructivism &amp; Education, ICT in Education, Environmental Education, Tribaleducation, Educational Psychology &amp; Science Education</li> </ul>
SCHOOL OF HUMANITIES AND LANGUAGES	
<ul style="list-style-type: none"> <li>• <b>MA (English Language &amp; Literature)</b> <b>In the Department of English and European Languages</b></li> </ul>	<ul style="list-style-type: none"> <li>❖ Wide array of courses pertaining to English literature and language alongside various literatures of the world in translation, Comparative Literature, Translation Studies, Literature from the Margins, etc.</li> <li>❖ Emphasis on building strong theoretical base of PG students and RD scholars to meet contemporary challenges in literary Studies</li> <li>❖ Emphasis on encouraging free spirit of inquiry among students and equipping them with required skills</li> <li>❖ Encouraging innovativeness and novelty of ideas to sharpen critical and creative curve of students' thinking</li> </ul>
<ul style="list-style-type: none"> <li>❖ <b>MA (Hindi)</b> <b>In the Department of Hindi &amp; Indian Languages</b></li> </ul>	<ul style="list-style-type: none"> <li>❖ भारत के उच्च शैक्षणिक संस्थानों के समतुल्य पाठ्यक्रम और उसे सही दिशा में कार्यान्वित करने हेतु योग्य, अनुभवी और निष्ठावान शिक्षक</li> <li>❖ हिंदी साहित्य की समृद्ध परम्परा से छात्रों को अवगत कराते हुए समकालीन परिदृश्य में हिंदी को व्यापक बनाना</li> <li>❖ जनजातीय विमर्श से जोड़कर पाठ्यक्रम को समकालिक बनाना</li> <li>❖ पाठ्यक्रम के साथ-साथ सिनेमा, अनुवाद, पत्रकारिता, स्क्रिप्ट राइटिंग, आदि को बढ़ावा; राष्ट्रीय एवं अंतर्राष्ट्रीय स्तर की संगोष्ठी, कार्यशाला आदि का आयोजन</li> <li>❖ छात्रोन्मुखी शिक्षण पद्धति पर जोर; 'क्लास रूम' टीचिंग में संवादधर्मिता को बढ़ावा देना, साथ ही छात्रों की सृजनात्मकता को भी परिष्कृत करना</li> <li>❖ उच्चस्तरीय अनुसंधान एवं शोध की नई दिशाओं की ओर पहल</li> </ul>

<ul style="list-style-type: none"> <li>❖ <b>MA (Sanskrit)</b> <b>In the Department of Sanskrit and Pali</b></li> <li>❖ <b>BA (Sanskrit Honours)</b> <b>In the Department of Sanskrit and Pali</b></li> </ul>	<ul style="list-style-type: none"> <li>❖ भारतीयसंस्कृतिके आध्यात्मिक, सार्वकालिक और वैज्ञानिक आयामों से विद्यार्थियों का परिचय करवाना।</li> <li>❖ संस्कृतमाध्यमके द्वारा प्राचीनतम-शास्त्रीयज्ञानसे लेकर आधुनिकतमसाहित्यिक अवधारणाओं तक का उन्नत स्तरीय एवं विमर्शात्मक ज्ञान प्रदान करना।</li> <li>❖ संस्कृतसाहित्यमें विद्यमान वैज्ञानिक, साहित्यिक और सामाजिक विषयों पर उच्चस्तरीय अनुसन्धानके लिए विद्यार्थियोंको पूर्णरूपसे तैयार करना।</li> <li>❖ संकायके अन्यविभागों एवं संस्कृतकी विभिन्न संस्थाओंके साथ अन्तर-संस्थात्मक स्वस्थ संवादकी परम्पराको विकसित करना।</li> <li>❖ पूर्णवैज्ञानिक भाषासंस्कृतकी आधुनिक कालमें उपादेयता और संस्कृतमें रोजगारके विविध अवसरोंसे अवगत करवाना।</li> <li>❖ प्राचीन एवं आधुनिक विमर्शोंके परिप्रेक्ष्यमें अध्यापक और छात्रके बीच मुक्त, सतत और व्यावहारिक संवाद स्थापित कर समकालीन चुनौतियों का सामना करनेकी सार्थक क्षमता प्रदान करना।</li> </ul>
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**SCHOOL OF JOURNALISM, MASS COMMUNICATION & NEW MEDIA**

<ul style="list-style-type: none"> <li>• <b>MA (Mass Communication &amp; Electronic Media)</b> <b>In the Department of Mass Communication &amp; Electronic Media</b></li> </ul>	<ul style="list-style-type: none"> <li>❖ Focus on diverse vantage points ranging from new communication policy, political and international communication, media appreciation and web technologies</li> <li>❖ Comprehensive curriculum ranges from conventional electronic media- television and radio to mobile and web communication technologies</li> <li>❖ Opportunity for the students to work in the communication and cultural industries and to develop alternatives in non-profit and public media education and production</li> <li>❖ Exposure of students to different media production techniques that allow them to work in the field of high definition broadcasting and digital media</li> <li>❖ Regular industry and visits to encourage the students to have more interaction with the industry</li> <li>❖ Research Thrust on New Media Research and New Media Technologies</li> <li>❖ Up to date curricula extensively covering various areas of journalism and creative writing.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>MA (Journalism &amp; Creative Writing)</b> <b>In the Department of Journalism &amp; Creative Writing</b></li> </ul>	<ul style="list-style-type: none"> <li>❖ Faculty members with teaching and industry experience in journalism and media research to corporate communications, advertising and media planning.</li> <li>❖ Professional training and academic exposure to students through workshops, educational ours, guest lectures by working journalists and academicians.</li> <li>❖ Use of modern pedagogical tools and techniques like case-studies, mock-interviews, presentations, hands-on training sessions.</li> <li>❖ Research focus on Advertising &amp; Public Relations and Development Commutation</li> </ul>

**SCHOOL OF LIFE SCIENCES**

<ul style="list-style-type: none"> <li>• <b>MSc (Computational Biology &amp; Bio-Informatics)</b> <b>Centre for Computational Biology &amp; Bio-Informatics</b></li> </ul>	<ul style="list-style-type: none"> <li>❖ Expertise on data warehousing, data mining, and analysis in the area of Life Sciences</li> <li>❖ Developing value added derived databases and algorithms for knowledge discovery with special emphasis on infectious diseases, neurodegenerative diseases, agricultural and plant bioinformatics, identification of disease causing genes and drug design</li> <li>❖ Emphasis on understanding life and its processes from molecules to the levels of the system and pondering upon the Bio-complexity using sequence-based and structure based bioinformatics approaches in the context of genomics, proteomics and metabolomics</li> <li>❖ Providing platform for the integrative study of complex interactions in biological processes to understand basic design principles that unite living systems</li> <li>❖ Developing highly skilled human resource that is capable of doing interdisciplinary research in the areas of synthetic and systems biology</li> <li>❖ Research thrust is on Structural Bioinformatics, Computational Systems Biology, Molecular Modelling and Drug Designing</li> </ul>
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<b>SCHOOL OF MATHEMATICS, COMPUTER AND INFORMATION SCIENCES</b>	
<ul style="list-style-type: none"> <li>• <b>MSc (Mathematics)</b> In the Department of Mathematics</li> </ul>	<ul style="list-style-type: none"> <li>❖ Teaching and research programs are designed to encourage students to think logically and abstractly</li> <li>❖ Emphasis on application of mathematical theories and knowledge to seek solutions to Industrial problems</li> <li>❖ Thrust of research is on Differential Geometry, Fluid Dynamics</li> </ul>
<ul style="list-style-type: none"> <li>• <b>MSc (IT)</b> In the Department of Computer Science and Informatics</li> </ul>	<ul style="list-style-type: none"> <li>❖ Well-equipped Labs with latest hardware and software catering to the computational needs</li> <li>❖ Industrial visits to expose students to on-going developments</li> <li>❖ Undertaking mini projects and organising training workshops.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>MSc(Library Science)</b> In the Department of Library &amp; Information Science</li> </ul>	<ul style="list-style-type: none"> <li>❖ Imparting knowledge and developing skills to help students avail themselves of enormous career Science opportunities in diverse information work settings</li> <li>❖ Courses designed to cater to the manpower needs of hybrid libraries and information centres</li> <li>❖ Balance of theoretical foundations, praxis - based and project based learning in curricula</li> <li>❖ Internship program in modern libraries and information centres to hone practical skills</li> <li>❖ Using latest knowledge organization tools such as DDC 23rd (2011) &amp; UDC latest edition in teaching- learning process</li> <li>❖ Research thrusts are on Knowledge Management and Digital Libraries</li> </ul>
<b>SCHOOL OF PHYSICAL AND MATERIAL SCIENCES</b>	
<ul style="list-style-type: none"> <li>• <b>MSc (Physics)</b> In the Department of Physics and Astronomical Sciences</li> <li>• <b>B.Sc. (Physics Honours)</b> In the Department of Physics and Astronomical Sciences</li> </ul>	<ul style="list-style-type: none"> <li>❖ Offering specialisation courses in various branches of Theoretical Physics such as Condensed Matter Physics, Nuclear and High Energy Physics, Astrophysics, and Computational Physics, Neutrino Physics and Astrophysics, Cosmology &amp; General Relativity, and Theoretical Nuclear Physics</li> <li>❖ Adequately equipped computational labs with individual PCs to enhance computational skills in C, Scilab and FORTRAN programming to perform simulations in physics</li> <li>❖ Coupling of Real Time Experiments with Modelling, Simulations or Virtual Experiments.</li> <li>❖ Specialisation Offered in Theoretical Physics after earning at least 16 credits including Project Work.</li> <li>❖ Thrusts areas of research include Computational Materials Science, Physics Education Research,</li> </ul>
<b>SCHOOL OF SOCIAL SCIENCES</b>	
<ul style="list-style-type: none"> <li>• <b>MA (Economics)</b> In the Department of Economics and Public Policy</li> </ul>	<ul style="list-style-type: none"> <li>❖ Nurturing students to become competent economists/researchers having comprehensive understanding of theoretical and empirical issues both in traditional and emerging branches in economics</li> <li>❖ Offering a mix of courses on economic theory, applied economics, quantitative techniques and field work</li> <li>❖ Teaching application of quantitative techniques to solve empirical problems</li> <li>❖ Developing basic skills in writing research reports and policy documents to successfully compete in the job market both nationally and internationally</li> <li>❖ Research focus is on Agrarian Studies, Wages and Employment</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Master of Social Work (MSW)</b> In the Department of Social Work</li> </ul>	<ul style="list-style-type: none"> <li>❖ Preparing students to integrate professional knowledge, values, and skills from a generalist social work perspective</li> <li>❖ Providing an educational experience to understand, assess the context of professional practice to apply strategies of change</li> <li>❖ Honing students' critical thinking skills thereby using personal and institutional resources, theoretical frameworks, and research to meet the needs of client systems of various types and sizes</li> <li>❖ Research thrust is on Gender &amp; Weaker Sections, Rural &amp; Tribal Studies, Social Development and Social Capital</li> </ul>

<ul style="list-style-type: none"> <li>• <b>MA (Sociology) In the Department of Sociology and Social Anthropology</b></li> </ul>	<ul style="list-style-type: none"> <li>❖ Preparing students to integrate professional knowledge, values, and skills from a generalist sociological perspective</li> <li>❖ Providing an educational experience to understand, assess the context of contemporary society to analyze tradition and modernity</li> <li>❖ Honing students' critical thinking skills thereby using personal and institutional resources, theoretical frameworks, and research to meet the needs of client systems of various types and sizes</li> <li>❖ Research thrust is on Globalization, Culture, tradition and modernization, Gender &amp; Weaker Sections, Urban, Rural &amp; Tribal Studies, Social Development and Social Capital</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Dr B.R. Ambedkar Chair</b></li> </ul>	<ul style="list-style-type: none"> <li>❖ To study the ideals, philosophy and work of Dr B.R. Ambedkar and their relevance in today's context</li> <li>❖ To sensitize the society towards the social evils like inequality, untouchability, social discrimination etc.</li> <li>❖ To work for the upliftment of weaker sections of the society</li> </ul>
<b>SCHOOL OF TOURISM, TRAVEL AND HOSPITALITY MANAGEMENT</b>	
<ul style="list-style-type: none"> <li>• <b>MBA(Specialisation in Tourism and Travel) In the Department of Tourism &amp; Travel Management</b></li> </ul>	<ul style="list-style-type: none"> <li>❖ Blend of tourism, travel and hospitality courses with focus on developing managerial skills</li> <li>❖ Emphasis on developing professional ethics compatible with cultural ethos</li> <li>❖ Frequent industrial visits and summer placement of 8 weeks duration in tourism industry to develop practical skills.</li> <li>❖ Emphasis on leadership and entrepreneurship development in potential areas for adventure tourism</li> <li>❖ Research thrust is on Destination Branding &amp; Marketing and Terrorism &amp; Tourism</li> </ul>
<b>DEEN DYAL UPDHYAYA KAUSHAL KENDRA</b>	
<ul style="list-style-type: none"> <li>• <b>B.Voc. (Mass Communication)</b></li> <li>• <b>B.Voc. (Financial and Marketing Services)</b></li> </ul>	<ul style="list-style-type: none"> <li>❖ To provide judicious mix of skills relating to a profession and appropriate content of General Education.</li> <li>❖ To ensure that the students have adequate knowledge and skills, so that they are work ready at each exit point of the programme.</li> <li>❖ To provide flexibility to the students by means of pre-defined entry and multiple exit points.</li> <li>❖ To integrate NSQF with the undergraduate level of higher education in order to enhance employability of the graduates and meet industry requirements. Such graduates apart from meeting the needs of local and national industry are also expected to be equipped to become part of the global workforce.</li> <li>❖ To provide vertical mobility to students coming out of 10+2 with vocational subjects.</li> </ul>



## Programmes of Study Offered In 2016-17

Commencing from the Academic Session 2010-11, different Schools of the University presently offer the following Programmes of Study:

PROGRAMMES OF STUDY	PROGRAMME DURATION	CREDITS REQUIRED	INTAKE
<b>School of Business &amp; Management Sciences</b>			
<u>Department of Accounting &amp; Finance</u> <u>Department of HRM &amp; Organisational Behaviour</u> <u>Department of Marketing &amp; Supply Chain Management</u> <u>Centre for Entrepreneurship &amp; Innovation</u>			
<ul style="list-style-type: none"> <li>▪ <b>MBA</b> Functional Specialisations – Marketing, Finance, HRM, Operations Management Sectoral Specialisations – Entrepreneurship Development, Financial Markets, Insurance, International Business, IT</li> </ul>	4 Semesters	80 PG Credits	90
<ul style="list-style-type: none"> <li>▪ <b>M Phil/ PhD</b></li> </ul>	3/6 Semesters	60/120 RD Credits	10
<b>School of Physical &amp; Material Sciences</b>			
<u>Department of Physics &amp; Astronomical Sciences</u>			
<ul style="list-style-type: none"> <li>▪ <b>BSc (Physics Honours)</b></li> </ul>	6 Semesters	140 UG Credits	30
<ul style="list-style-type: none"> <li>▪ <b>MSc ( Physics)</b></li> </ul>	4 Semesters	80 PG Credits	30
<ul style="list-style-type: none"> <li>▪ <b>MPhil/PhD</b></li> </ul>	3/6 Semesters	60/120 RD Credits	10
<b>School of Life Sciences</b>			
<u>Centre for Computational Biology &amp; Bioinformatics</u>			
<ul style="list-style-type: none"> <li>▪ <b>MSc (Computational Biology/Bioinformatics)</b></li> </ul>	4 Semesters	80 PG Credits	30
<ul style="list-style-type: none"> <li>▪ <b>MPhil/PhD</b></li> </ul>	3/6 Semesters	60/120 RD Credits	10
<b>School of Earth &amp; Environmental Sciences</b>			
<u>Department of Environmental Sciences</u>			
<ul style="list-style-type: none"> <li>▪ <b>MSc (Environmental Sciences)</b></li> </ul>	4 Semesters	80 PG Credits	30
<ul style="list-style-type: none"> <li>▪ <b>MPhil/PhD</b></li> </ul>	3/6 Semesters	60/120 RD Credits	10
<b>School of Mathematics, Computer &amp; Information Sciences</b>			
<u>Department of Mathematics</u>			
<ul style="list-style-type: none"> <li>▪ <b>MSc (Mathematics)</b></li> </ul>	4 Semesters	80 PG Credits	30
<ul style="list-style-type: none"> <li>▪ <b>MPhil/PhD</b></li> </ul>	3/6 Semesters	60/120 RD Credits	10
<u>Department of Computer Science</u>			
<ul style="list-style-type: none"> <li>▪ <b>MSc (Information Technology)</b></li> </ul>	4 Semesters	80 PG Credits	30
<ul style="list-style-type: none"> <li>▪ <b>MPhil/PhD</b></li> </ul>	3/6 Semesters	60/120 RD Credits	10
<u>Department of Library Science</u>			
<ul style="list-style-type: none"> <li>▪ <b>M Lib Sc (Integrated Dual-Degree Programme )*</b></li> </ul>	4 Semesters	80 PG Credits	30
<ul style="list-style-type: none"> <li>▪ <b>MPhil/PhD</b></li> </ul>	3/6 Semesters	60/120 RD Credits	10
<p><i>*A student admitted to M Lib Sc (Integrated Dual-Degree Programme), if opts out after successfully completing two semesters with 40 PG Credits, shall be awarded the degree of B. Lib. Sc. Those who thus opt out shall be eligible for lateral entry if they return to the University within the next two years to complete remaining two semesters and get the desired degree of M. Lib. Sc.</i></p>			
<b>School of Humanities &amp; Languages</b>			
<u>Department of English &amp; European Languages</u>			
<ul style="list-style-type: none"> <li>▪ <b>MA (English Language and Literature)</b></li> </ul>	4 Semesters	80 PG Credits	30
<ul style="list-style-type: none"> <li>▪ <b>MPhil/PhD</b></li> </ul>	3/6 Semesters	60/120 RD Credits	10
<u>Department of Sanskrit and Pali</u>			
<ul style="list-style-type: none"> <li>▪ <b>BA (Sanskrit Honours)</b></li> </ul>	6 Semesters	140 UG Credits	30
<ul style="list-style-type: none"> <li>▪ <b>MA (Sanskrit)</b></li> </ul>	4 Semesters	80 PG Credits	30
<ul style="list-style-type: none"> <li>▪ <b>MPhil/PhD</b></li> </ul>	3/6 Semesters	60/120 RD Credits	10

<u>Department of Hindi &amp; Indian Languages</u>			
▪ MA (Hindi)	4 Semesters	80 PG Credits	30
▪ MPhil/PhD	3/6 Semesters	60/120 RD Credits	10
▪ Certificate in Gojari Language	6 months	10 Credits	30
<b>School of Social Sciences</b>			
<u>Department of Economics &amp; Public Policy</u>			
▪ MA (Economics)	4 Semesters	80 PG Credits	30
▪ MPhil/PhD	3/6 Semesters	60/120 RD Credits	10
<u>Department of Social Work</u>			
▪ Master of Social Work (MSW)	4 Semesters	80 PG Credits	30
▪ MPhil/PhD	3/6 Semesters	60/120 RD Credits	10
<u>Department of Sociology and Social Anthropology</u>			
▪ MA (Sociology)	4 Semesters	80 PG Credits	30
▪ Certificate in Gujjar History and Culture	6 months	10 Credits	30
<b>School of Education</b>			
<u>Department of Teacher Education</u>			
▪ MA (Education)	4 Semesters	80 PG Credits	30
▪ MPhil/PhD	3/6 Semesters	60/120 RD Credits	10
<b>School of Journalism, Mass Communication &amp; New Media</b>			
<u>Department of Mass Communication &amp; Electronic Media</u>			
▪ MA (New Media Communication)	4 Semesters	80 PG Credits	30
▪ MPhil/PhD	3/6 Semesters	60/120 RD Credits	10
<u>Department of Journalism &amp; Creative Writing</u>			
▪ MA (Journalism & Creative Writing)	4 Semesters	80 PG Credits	30
▪ MPhil/PhD	3/6 Semesters	60/120 RD Credits	10
<b>Deen Dyal Upadhyaya Kaushal Kendra</b>			
▪ B.Voc. (Mass communication)	6 Semesters	180 Credits	48
▪ B.Voc. (Financial and Marketing Services)	6 Semesters	180 Credits	48

**Note:**

1. The University reserves the right to defer a Programme of Study depending upon the availability of adequate number of suitably qualified students, intellectual resources and other facilities.
2. The intake capacity for different programmes of Study is only indicative and the university may reduce the intake depending on the availability of suitably qualified students, intellectual resources, research supervisor(s) and other academic infrastructure.

*Further details on the curricular and courses for various Programmes of Study shall be furnished in the Students' Handbook, to be issued after admission is completed. The Handbook shall, inter alia, provide Course Catalogue, Course Outline, and Rules relating to Examination, Attendance, Residence and Good Conduct in and outside the Campus, etc.*

## Minimum Eligibility Conditions for Admission In UG/PG Programmes of Study

The minimum eligibility requirements and selection criteria for admission in the UG/PG Programmes of Study are as under:

PROGRAMME OF STUDY	MINIMUM ELIGIBILITY REQUIREMENT
<ul style="list-style-type: none"> <li>• MSc (Physics)</li> <li>• MSc (Mathematics)</li> </ul>	A minimum of 50% marks or an equivalent grade in Bachelors/UG degree in non-medical /Engineering/Technology stream from a recognised University or an equivalent examination.
<ul style="list-style-type: none"> <li>• MSc (Computational Biology &amp; Bio-Informatics)</li> </ul>	A minimum of 50% marks or an equivalent grade in Bachelors/UG degree in any science stream from a recognised University or an equivalent examination.
<ul style="list-style-type: none"> <li>• MSc (IT)</li> </ul>	A minimum of 50% marks or an equivalent grade in Bachelors/UG degree in science/ engineering/ technology stream from a recognised University or an equivalent examination.
<ul style="list-style-type: none"> <li>• MSc (Environmental Science)</li> </ul>	A minimum of 50% marks or an equivalent grade in Bachelors/UG degree in science stream from a recognised University or an equivalent examination.
<ul style="list-style-type: none"> <li>• MBA</li> <li>• MA(Economics)</li> <li>• MSW</li> <li>• MA (Sociology)</li> <li>• MA (Language and Literature)</li> <li>• MBA(Specialisation in Travel and Tourism)</li> <li>• MA(Education)</li> <li>• MA(New Media Communication)</li> <li>• MA(Journalism &amp; Creative Writing)</li> <li>• M Lib Sc</li> </ul>	A minimum of 50% marks or an equivalent grade in Bachelors/UG degree from a recognised University or an equivalent examination.
<ul style="list-style-type: none"> <li>• MA (Hindi)</li> </ul>	A minimum of 50% marks or an equivalent grade in Bachelors/UG degree with Hindi from a recognised University or an equivalent examination.
<ul style="list-style-type: none"> <li>• MA (Sanskrit)</li> </ul>	A minimum of 50% marks or an equivalent grade in Bachelors/UG degree with Sanskrit or Shastri examination from a recognised University or an equivalent examination.
<ul style="list-style-type: none"> <li>• BSc (Physics Honours)</li> </ul>	A minimum of 50% Marks or an equivalent grade in 10+2 (any science stream) examination of a recognized school board or an equivalent examination by authorized board of state/ national level.
<ul style="list-style-type: none"> <li>• BA (Sanskrit Honours)</li> </ul>	A minimum of 50% Marks or an equivalent grade in 10+2 or Prak-Shastri Part- II or Visharad examination of a recognized school board or an equivalent examination by authorized board of state/ national level.
<ul style="list-style-type: none"> <li>• B.Voc. (Mass communication)</li> <li>• B.Voc. (Financial and Marketing Services)</li> </ul>	The minimum eligibility condition for admission to B.Voc programme shall be 40% in 10+2 or equivalent in any stream.
<ul style="list-style-type: none"> <li>• Certificate in Gojari Language</li> <li>• Certificate in Gujjar History and Culture</li> </ul>	A minimum of 50% Marks or an equivalent grade in 10+2 examination of a recognized school board or an equivalent examination by authorized board of state/ national level.

**Relaxation in Minimum Qualifying Marks: Relaxation in minimum qualifying marks up to a maximum of 5% shall be made in case of candidates belonging to the SC, ST and Persons with Disabilities Categories.**

### IMPORTANT

**Applications are INVITED from Eligible Candidates  
for ADMISSION to ALL of the Above Programmes**

## **Minimum Eligibility Conditions for Admission In Research Degree (RD) Programmes i.e. MPhil/Phd**

A minimum of 55% marks or an equivalent grade in Masters/PG degree from a recognised University or an equivalent examination in the disciplines specified below:

<b>RD PROGRAMME OF STUDY</b>	<b>SPECIFIED DISCIPLINES</b>
<ul style="list-style-type: none"> <li>• Management</li> <li>• Tourism &amp; Travel Management</li> </ul>	Commerce, Applied Economics, Business Economics, Industrial Sociology, Psychology (Organizational / Industrial Psychology), Marketing Management, Financial Administration, Financial Management, Human Resource Management, International Business, Tourism administration, Statistics, Operational Research, Business Law, Production & Industrial Engineering, Industrial management, Computer Applications and any other discipline found to be relevant by the University.
<ul style="list-style-type: none"> <li>• Computational Biology &amp; Bio-Informatics</li> </ul>	Biology, Computational Biology, Bio Technology, Bio-Informatics and any other discipline found to be relevant by the University.
<ul style="list-style-type: none"> <li>• Education</li> </ul>	Med, MA (Education), or any other discipline found to be relevant by the University.
<ul style="list-style-type: none"> <li>• Computer Science &amp; IT</li> </ul>	MCA, M Tech, MSc (IT) or any other discipline found to be relevant by the University.
<ul style="list-style-type: none"> <li>• Environmental Science</li> </ul>	Postgraduate (PG) degree in any branch of Science.
<ul style="list-style-type: none"> <li>• Mathematics</li> </ul>	Mathematics, Statistics, Applied Mathematics, Industrial Mathematics, Operations Research and any other discipline found to be relevant by the University.
<ul style="list-style-type: none"> <li>• Economics</li> </ul>	Economics, Industrial Economics, Agriculture Economics, International Economics and any other discipline found to be relevant by the University.
<ul style="list-style-type: none"> <li>• Social Work</li> </ul>	Social Work, Sociology, Psychology, Development Study, Social Anthropology and any other discipline found to be relevant by the University.
<ul style="list-style-type: none"> <li>• Sociology</li> </ul>	Social Work, Sociology, Psychology, Development Study, Social Anthropology and any other discipline found to be relevant by the University.
<ul style="list-style-type: none"> <li>• English</li> </ul>	English, Comparative Literature, Translation & Interpretation, Linguistics and any other discipline found to be relevant by the University.
<ul style="list-style-type: none"> <li>• Library Science</li> </ul>	Library Science, Library Information System and any other discipline found to be relevant by the University.
<ul style="list-style-type: none"> <li>• Hindi</li> </ul>	Hindi and any other discipline found to be relevant by the University.
<ul style="list-style-type: none"> <li>• Sanskrit</li> </ul>	Sanskrit and any other discipline found to be relevant by the university.
<ul style="list-style-type: none"> <li>• Physics &amp; Astronomical Sciences</li> </ul>	Physics, Astronomy and any other discipline found to be relevant by the University.

Relaxation in Minimum Qualifying Marks: **Relaxation in minimum qualifying marks up to a maximum of 5% shall be made in case of candidates belonging to the SC, ST and Persons with Disabilities Categories.**

**IMPORTANT**

**Admission Schedule for RD (MPhil/PhD) Programmes shall be announced later**



## Selection Criteria For Admissions

### UG Programmes

All applicants seeking admission to UG Programmes of Study shall be admitted on the basis of merit in 10+2 or equivalent examination. [For admission to BA (Sanskrit Honours) 10% weightage will be given to candidates who have passed Prak Shastri Part II or Visharad.]

### PG Programmes

1. All applicants seeking admission to a PG Programme of Study shall be required to appear in single common entrance examination i.e. **FEAT** (Further Education Admission Test).
2. Admission to various PG Programmes of Study shall be made on merit of the composite score to be determined on the basis of score obtained in FEAT and marks obtained in Matric, 10+2 and UG examination as given below:

S. No.	Weightage of Different Components of the Composite Score	
1.	Components	Weightage
2.	Scores obtained in FEAT	50%
3.	Percentage of marks in 10th	10%
4.	Percentage of marks in 10+2	10%
5.	Percentage of marks in UG degree	30%
	<b>Total</b>	<b>100%</b>

### RD (MPhil/PhD) Programmes

Admission to RD Programmes (i.e. MPhil/PhD) shall be made as specified below:

1. First of all the vacant seats for M.Phil./Ph.D. Programmes of Study in various disciplines shall be filled on basis of merit of Composite score which shall be calculated as under:

i) Academic score : 40% (25% of percentage of marks obtained in PG examination plus 15% of percentage of marks obtained in UG examination)

ii) Research qualification : 40%

• 40 marks for JRF (Based on written test conducted by UGC, CSIR, ICAR or any other agency recognised by UGC) OR

• 30 marks for NET/SET/SLET OR

• 20 marks for M.Phil. (As per Regulations 2009) with minimum 60% marks

iii) Personal Interview : 20%

2. For shortlisting the candidates for Personal interview, a merit list shall be prepared on basis of Academic score and Research qualification as described above. **10 candidates against one vacant seat shall be called on merit for personal interview.**

3. At the time of personal interview the candidate shall have to submit a research proposal of his/her choice in approximately 1500 words. A candidate shall only be interviewed if he/she has submitted a research proposal.

4. In case the seats for RD Programmes of Study in

various disciplines remain unfilled after following the procedure mentioned above, the vacant seats shall be filled on basis of merit of composite score calculated as under:

i) 40% (25% of percentage of marks obtained in PG examination plus 15% of percentage of marks obtained in UG examination)

ii) Entrance Test (TREAT) : 40% ( 15 marks for Domain knowledge, 15 marks for Research Aptitude and 10 marks for writing skills )

iii) Personal Interview : 20%

5. For shortlisting the candidates for Personal interview, a merit list shall be prepared on basis of Academic score and Score of TREAT. **15 candidates against one vacant seat shall be called on merit for personal interview.**

6. At the time of personal interview the candidate shall have to submit a research proposal of his/her choice in approximately 1500 words. A candidate shall only be interviewed if he/she has submitted a research proposal.

7. Subject to the fulfilment of minimum conditions for admission, a teacher who has been awarded Teacher Research Fellowship by the UGC and is working in any institution of higher education shall be exempted from TREAT and that he/she shall be considered at par with NET/SLET qualified candidates.

8. Regular eligible Assistant Professors employed in CUHP (Who are not Ph.D.) would be eligible to apply

for Ph.D. The In-house teacher candidates for Ph.D. and Foreign Nationals/NRI/PIO/Teacher Research Fellows would be admitted under Supernumerary Seats category and they would not be required to appear in the entrance test. The Foreign students would be admitted as per CUHP norms.

9. Subject to the fulfilment of the following conditions, a person already employed in teaching/research profession shall be exempted from the requirement of appearing in TREAT and shall be treated at par with NET/SLET qualified candidates:

i) He/she must meet the minimum eligibility condition for admission in the Research Degree Programme

ii) He/she must have been working as Lecturer/Assistant Professor/Associate Professor/Professor or in an equivalent position on a regular basis for at least 10 (Ten) years in a state or central university/government or government-aided college/institution of national importance/government research institution or laboratory.

His/her application for admission in the Research Degree Programme must have been duly forwarded by the present employer with the undertaking that he/she shall be granted leave to pursue the Programme of Study on full-time basis.

## *Applicants Who are not Eligible for Admission*

The following shall **NOT** be Eligible for admission in the University:

(a) A person who has been suspended, rusticated, debarred, expelled or removed from the roll of the University by a competent authority of the University.

(b) A person who at any time, was admitted to a PhD programme in this University or has completed PhD degree either from this University or any other University shall not be eligible to apply for the same or any other UG/PG/MPhil/PhD programme of this University.

(c) A person who at any time was admitted to an MPhil Programme in this University or has completed an MPhil Degree either from this University or from any other University shall not be eligible to apply for the same or any other UG/PG/MPhil Programme of this University.

(d) A person who at any time was admitted to a PG Programme in this University or has completed PG Degree either from this University or from any other University shall not be eligible to apply for the same or any other UG/PG Programme of this University.

(e) A person who at any time was admitted to an UG Programme in this University or has completed UG Degree either from this University or from any other University shall not be eligible to apply for the same or any other UG Programme of this University.

Provided the permission to pursue second UG/PG programme may be granted to an exceptionally bright and brilliant person with consistently excellent academic record by the Vice Chancellor on the recommendation of the Admission Committee and the Admission Review Committee.

## *Procedure of Application for Admission*

- 1) All admissions shall be based on the applications received in response to the admission notification and issue of this prospectus.
- 2) Prospectus and application form can be obtained as under:
  - **Online:** Download free of cost from the university website ([www.cuhimachal.ac.in](http://www.cuhimachal.ac.in)).
  - **By Hand:** On payment of Rs 100/- in cash from
    - Temporary Academic Block, Central University of Himachal Pradesh, Shahpur, District Kangra (HP) PIN – 176206
    - Camp Office of the Central University of Himachal Pradesh, P.O. Box 21, Dharamshala, District Kangra—176 215 (H.P.)

- **By Post:**Send a DD of Rs.150/- drawn in favour of Finance Officer, Central University of Himachal Pradesh, payable at **Dharamshala, District Kangra (HP)**. On the following address;
  - Temporary Academic Block, Central University of Himachal Pradesh, Shahpur, District Kangra (HP) PIN – 176 206
- 3) Application for admission to various Programmes of Study can be made in one of the following manners:
- a) **Online Application:**A candidate can apply online by clicking on the link given at the University website (www.cuhimachal.ac.in). Application fee shall be payable as per the instructions given on the Website of the University.
  - b) **Hard Copy:**In case a candidate is not able to apply online, he/she may download/obtain the application form from the University and send the duly filled-up application form along with a non-refundable Application Fee in the form of Demand Draft payable at Dharamshala, District Kangra, HP drawn in favour of **Finance Officer, Central University of Himachal Pradesh**.
- 4) The application fee for admission to Certificate/UG/PG/RD programmes for different categories of applicants shall be as under:
- a) General Category :Rs400/- (Rs 200/- for B.Voc.)
  - b) OBC Category :Rs300/-(Rs 150/- for B.Voc.)
  - c) SC/ST/PH Categories :Rs100/-(Rs 50/- for B.Voc.)
- 5) **Last Date for the Submission of Application:**Duly completed application form for admission in the PG programme must reach the University on or before 6<sup>th</sup> June 2016.
- 6) A candidate can apply on a single application form for admission to **two PG Programmes of Study** clearly indicating the order of preference for the Programme(s).

Applicants for admission shall be required to indicate **two choices of Programme of Study** in order of their preference in their application form. The admission shall be made strictly on the basis of merit. The merit shall be prepared on the basis of the composite score of the selection criteria in accordance with preference of the applicant for various Programmes of Study.

### **Reservation of Seats In Admission**

1. The University shall follow reservation in admission as mandated under the Central Educational Institutions (Reservation of Seats) Act 2006, as amended from time to time.
  2. The University shall also follow reservation in admission in all Programmes of Study in accordance with the Persons with Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Act, 1995.
- a) Accordingly, the University shall reserve in all Programmes of Study seats for admission as under for the students belonging to:

i)	Scheduled Caste (SC) Category	<b>15.0%</b>
ii)	Scheduled Tribe (ST) Category	<b>7.5%</b>
iii)	Other Backward Classes (OBC) Category	<b>27.0%</b>
iv)	Persons with Disabilities (PWD)	<b>3.0%</b>

- Persons suffering from not less than forty per cent (40%) of any disability as certified by a competent medical authority would be considered for admission under PWD category.
  - There will be concession facilities of fee waiver, free accommodation, food and transport for students with disabilities.
- V) The Kashmiri migrant students shall have the following concessions in admission to various programmes during academic year 2016-17:
- Relaxation in cut off percentage up to 10% subject to minimum eligibility requirement.
  - Increase in intake capacity up to 5% course-wise.
  - Reservation of at least one seat in merit quota in technical/professional institutions.
  - Waiving off domicile requirements.
- VI) Two seats are available under supernumerary quota for admitting students coming from the state of Jammu & Kashmir
4. Candidates seeking admission under the reserved categories shall be required to fulfil the prescribed conditions of admission to the Course.
  5. Application Form of a candidate in the reserved category must be submitted along with the Caste/Tribe/Non-Creamy Layer certificate issued by the competent authority as per the certificate format enclosed with the application form.
  6. Application Form received without the required certificates shall be rejected.
  7. If a candidate in the reserved category qualifies for admission in the general category s/he shall be treated as a general category candidate. If sufficient number of candidates are not available to fill up the seats reserved for Scheduled Tribes, these may be filled up by suitable candidates from Scheduled Castes and vice-versa.

<b>ENTRANCE EXAMINATION CENTRES</b>						
<b>S.No.</b>	<b>Test City</b>	<b>Code</b>		<b>S.No.</b>	<b>Test City</b>	<b>Code</b>
1	Dharamshala (HP)	01		10	Pune (Maharashtra)	10
2	Mandi (HP)	02		11	Ahmedabad (Gujarat)	11
3	Rampur Bushahar (HP)	03		12	Chennai (Tamilnadu)	12
4	Shahpur (HP)	04		13	Hubali (Karnataka)	13
5	Solan (HP)	05		14	Bhubaneswar (Odisha)	14
6	Bathinda (Punjab)	06		15	Siliguri (West Bengal)	15
7	Chandigarh	07		16	Guwahati (Assam)	16
8	Hisar (Haryana)	08		17	Imphal (Manipur)	17
9	Varanasi (UP)	09		18	Delhi	18

**The Central University of Himachal Pradesh will have the right to cancel /change the Centres for holding Entrance examination depending upon the number of applicants choosing/opting for a particular centre.**



## Admission of Foreign Nationals/NRI's/PIO's - Supernumerary Seats

i. In all the courses 15% seats may be filled as Supernumerary Seats meant for Foreign Nationals (FN), Non-Resident Indians (NRI) and Persons of Indian Origin (PIO) category. Out of the above 15% Supernumerary Seats, one-third shall be earmarked for the children of Indian workers in the Gulf.

ii. Candidates belonging to the FN/NRI/PIO category shall not be required to appear for the single common entrance examination of the University. However, they will have to fulfil minimum eligibility conditions for admission. Additionally, they may be required to qualify internationally accepted aptitude tests like SAT/GMAT/GRE/TOEFL as prescribed for admission in different Programme of Study as specified in the Prospectus of the University.

iii. Admission to these categories of students shall be granted on merit determined either by their past academic records or by internationally conducted aptitude tests for admission in higher education or a combination thereof with due regards to need for providing opportunities to the nationals belonging to different countries.

iv. Candidates seeking admission under the above quota of Supernumerary Seats shall be required to submit their application on a prescribed form, along with the certified copies of all the necessary

documents, as per the procedure specified in the Prospectus, to the office of the Foreign Students Advisor (FSA) in advance throughout the year but not later than 30th April for the current academic session.

v. Application for admission should be submitted to the Dean of the School / Head of the Department concerned along with the attested / certified copies of all the necessary documents.

vi. Candidates seeking admission under FN/NRI/PIO category shall be required to pay fees and other charges as applicable to their category and as specified in the ordinances relating to fee structure and as notified in the Prospectus.

vii. Candidates admitted under the FN/PIO category shall be required to undergo a medical test (including test for HIV/ AIDS) within a week from the date of admission.

Candidates admitted under the FN/PIO category shall be required to produce STUDENT VISA within one month of the date of completion of the admission but prior to the commencement of the academic session and submit a copy of the same in the Office of the Foreign Students Advisor, failing which their admission shall stand cancelled.



## Completion of Admission Formalities

- i) No candidate shall be entitled to claim admission as a matter of right and that the University reserves the right to refuse admission in any individual case without assigning any reason.
- ii) A candidate shall be considered as admitted to a Programme of Study and be eligible to avail the privileges of a student of the University only after he/she has deposited the prescribed fees, as per the Prospectus. If a candidate fails to deposit the admission fee by the prescribed date, he/she will automatically forfeit his/her right of admission.
- iii) List of selected candidates shall be displayed on the University website ([www.cuhimachal.ac.in](http://www.cuhimachal.ac.in)) and on the Notice Boards of the Controller of Examinations and School/Department concerned. No intimation to the selected candidates will be sent by post.
- iv) The candidates shall be required to get their admission completed by the dates given in the Schedule.
- v) The selected candidates shall be required to submit the photocopies and produce the following documents in original for verification at the time of registration:
  - a. Certificates, Diplomas, Degrees, Mark-Sheets of all educational qualifications
  - b. In case of the working students, a No Objection Certificate (NOC) from the employer clearly mentioning that the employer has no objection to the candidate's pursuing higher education in the Central University of Himachal Pradesh on full time basis
  - c. In case of gap between the qualifying examination and the year of seeking admission in the university, the candidate shall be required to submit an affidavit indicating the reasons for such gaps and the activities in which he/she was engaged during the intervening period
  - d. SC/ST/OBC/PWD Certificate whichever is applicable.
  - e. Kashmiri migrant certificate if applicable.
  - f. Proof of Permanent residence
- vi) Admission to a Programme of Study will be granted only to those candidates whose results of the qualifying examinations are complete in all respects.
- vii) Admission of candidates to a Programme of Study shall be subject to the clearance from the Proctor of the University.
- viii) Admission of candidates seeking admission after a gap of three or more academic years of their taking Certificate/ Diploma/ Degree/ Post-Graduate Degree from this University or any other University/Educational Institution/Board, shall be subject to the clearance by the Admission Review Committee consisting of the Dean, Students' Welfare (DSW), the Dean of the School concerned, the HOD concerned, and the Proctor.
- ix) At the time of admission, every student shall be required to sign a declaration to the effect that s/he submits herself/himself to the disciplinary jurisdiction of the Vice Chancellor and other authorities of the University.
- x) All the students admitted to Programmes of Study shall be required to submit Transfer Certificate/Migration Certificate in original within 30 days from the date of admission, failing which their admission in the university may be cancelled.
- xi) Admission of the candidate will only be final after the verification of his/her testimonials at the time of registration.

## General Rules Relating to Admission

- i) The University shall be open to the persons of either sex and of whatever caste, creed, race or class, and it shall not be lawful for the University to adopt or impose on any person, any test whatsoever of religious belief or profession in order to entitle him to be admitted as a student in the University or to graduate thereat or to enjoy or exercise any privilege thereof;
- ii) The University shall maintain an all-India character and high standards of teaching and research and shall admit students strictly on merit as determined through a common national level entrance test conducted by the University either individually or with other universities;
- iii) No candidate, pursuing a full-time programme of study in the University shall be allowed to take up a job without prior and explicit permission of the University.
- i. Provided that those already employed at the time of admission shall submit, within thirty days, in original, a certificate from their employer to the effect that the employer has granted him/her leave for the whole duration of the Programme of Study.
- ii. Provided further that the above shall not prohibit, exclude or exempt a student from undergoing obligatory or optional work placement, if completion of the Programme of Study in which he/she has taken admission so requires.
- iv) No student pursuing a Programme of Study in the University shall be permitted to take any other regular examination leading to another degree of this University or any other education institution. However, a student would be eligible to take courses, subject to the prior permission of the Dean of the School concerned, under Career Oriented Proficiency/Certificate/Diploma Programmes simultaneously either from CUHP or any other university/ educational institution/ board, etc.
- v) Provided further that a student may also be permitted to take additional courses, over and above the minimum prescribed for a semester. In such a case, the following conditions shall apply:
- a. S/he shall be required to pay fees for the additional courses registered
- a. Her/his marks sheet would reflect such courses having been studied by him as additional courses
- b. The additional courses so taken would not be considered for the computation of total credits for the award of the degree
- vi) Similarly, a person who is not a student of a university and is not registered for any Programme of Study of the university, may, with the prior permission of the Dean of the School concerned, be allowed to register for select courses of the university subject to the following conditions:
- a. Not more than two courses in a semester may be allowed to be taken
- b. S/he shall meet minimum eligibility conditions to pursue such courses
- c. S/he shall be required to pay a Non-refundable Registration fee of Rs 2000/- per semester plus the Tuition Fees twice the rate as applicable to such courses
- d. S/he shall not be considered to be a student of the University and shall, therefore, not be eligible to the privileges of a student of the University. However, s/he shall be subject to the disciplinary jurisdiction of the University authorities
- e. Subject to the successful completion of all credit requirements for the courses so taken, s/he shall be eligible to receive a testimonial from the university indicating the courses that s/he has so attended and qualified. This may however, not entitle her/him to receive any certificate/diploma/degree of the university
- vii) If at any time it is discovered that a candidate has made a false or incorrect statement or has furnished false or

incorrect information or has used any other fraudulent means for securing admission her/his name shall be removed from the rolls of the University

viii) A student admitted to the University shall be a member either of a Hall of Residence Hostel or Non-Resident Students Centre of the University

ix) A student admitted to a Programme of Study if detained due to the shortage of attendance in the first Semester, will no longer remain the student of the University. Such students will have to seek fresh admission and will be required to go through the entire admission process

## *Academic Calendar 2016-17*

<b>Monsoon Semester</b>	
<b>Activities</b>	<b>Dates</b>
<b>Commencement of Classes</b>	<b>1 August 2016</b>
<b>Mid Term Examination</b>	<b>10 to 22 October 2016</b>
<b>End Semester Examination</b>	<b>7 to 21 December 2016</b>
<b>Winter Vacation</b>	<b>23 December 2016 to 22 January 2017</b>
<b>Semester ends</b>	<b>22 January 2017</b>
<b>Spring Semester</b>	
<b>Activities</b>	<b>Dates</b>
<b>Commencement of Classes</b>	<b>23 January 2017</b>
<b>Mid Term Examination</b>	<b>27 March to 5 April 2017</b>
<b>End Semester Examination</b>	<b>12 June to 27 June 2017</b>
<b>Summer Vacation</b>	<b>1 July to 31 July 2017</b>
<b>Semester ends</b>	<b>31 July 2017</b>
<b>On-the-Job Training/Field Work</b>	<b>31 July 2017</b>



## SCHEDULE OF FEES FOR CERTIFICATE /UG /PG PROGRAMMES

Heads of Fees/Funds	MBA/MBA(TT)/ MSc/MSW/ BSc Hons. School in Physics	MA/MLIS	UG Programmes of Study	Certificate
<b>ONE TIME</b>				
Alumni Registration Fee	100	100	10	00
Security Deposit/Caution Money (refundable)	3000	100	500	500
University Registration/Enrolment Fee	500	500	100	100
<b>PER SEMESTER</b>				
Examination Fee	600	500	200	150
Research Supervision Fees	77700	00	00	00
Subject Association Fund	200	50	00	00
Teaching Learning Resource Fund	400	50	20	20
Tuition Fee	2400	1000	500	100
Admission Fees	500	100	100	50
Campus Development & Beautification Fund	100	20	10	10
Convocation Fee	50	50	50	00
Cultural Activities Fund	50	20	20	20
Development Fund	500	50	50	10
Electricity & Water Fee	100	100	100	20
Foundation Day Celebration Fee	50	30	50	20
Games & Sports Fund	50	50	50	20
ICT Lab Fee	100	10	10	10
Language/ Practical Lab Fee	200	100	100	10
Library Fee	100	20	20	10
Magazine Fee	50	50	50	20
Medical Fees	50	50	50	10
Non Residential Student Centre Fee	00	00	00	00
Students Welfare Fund	100	50	50	20
<b>Total per Semester</b>	<b>5600</b>	<b>2300</b>	<b>1430</b>	<b>500</b>

**NOTE:**

The Fee payable by the students is fixed by the Executive Council on the recommendation of the Academic Council and is notified in the Admission Brochure/Prospectus issued by the University from time to time.

1. An additional fee towards Professional Development Fund shall be chargeable as under:
  - a. Rs 4000/- per semester from the students admitted to MBA/MBA(TT)/MSW/MSc/BSc Hons.
  - b. Rs 1000/- per semester from the students admitted to all other PG Programmes of Study.
2. Tuition fee for offering audit course and 'I' grade will be Rs 100/- per credit.
3. For 'F', 'I' and audit course, examination fee will be Rs 100/- per credit.

**NOTE: For any Programme of Study in Sanskrit, no tuition and admission fee shall be charged.**

## Schedule of Hostel Fees for 10 Months (Post Graduate Programmes)

Particulars	Fee (in Rs.)	Total (Annual)
Hostel Admission fee ( Non-refundable)	500 (One Time)	500
Hostel Security Fee Deposits (Refundable)	1000 (One Time)	1000
Room Rent	500 (Per Month)	5000
Electricity and Water Charges	150 (Per Month)	1500
Hostel Establishment Charges	150 (Per Month)	1500
Kitchen Establishment Charges	150 (Per Month)	1500
<b>Total</b>		<b>11000</b>

## Schedule of Hostel Fees for 12Months (RD Scholar)

Particulars	Fee (in Rs.)	Total (Annual)
Hostel Admission fee ( Non-refundable)	500 (One Time)	500
Hostel Security Fee Deposits (Refundable)	1000 (One Time)	1000
Room Rent	500 (Per Month)	6000
Electricity and Water Charges	150 (Per Month)	1800
Hostel Establishment Charges	150 (Per Month)	1800
Kitchen Establishment Charges	150 (Per Month)	1800
<b>Total</b>		<b>12900</b>

## Things to Remember

### *Programmes of Study offered in 2016-17*

- |  |   |
|--|---|
| 1) MSc Physics                                   | 13) MA (New Media Communication)              |
| 2) MSc Mathematics                               | 14) M Lib Sc                                  |
| 3) MSc (Computational Biology & Bio-Informatics) | 15) MA (English Language and Literature)      |
| 4) MSc (Information Technology)                  | 16) MA (Hindi)                                |
| 5) MSc (Environmental Science)                   | 17) MA (Sanskrit)                             |
| 6) MBA   | 18) BSc (Physics Honours)                     |
| 7) Master of Social Work (MSW)                   | 19) BA (Sanskrit Honours)                     |
| 8) MA (Sociology)                                | 20) BVoc (Mass communication)                 |
| 9) MA (Economics & Public Policy)                | 21) BVoc (Financial and Marketing services)   |
| 10) MBA(Specialisation in Travel and Tourism)    | 22) Certificate in Gojari language            |
| 11) MA (Education)                               | 23) Certificate in Gujjar history and culture |
| 12) MA (Journalism & Creative Writing)           |   |

## Components of Feat (Common Entrance Examination)

1. The Entrance test will have two Papers:

**Paper -I (Aptitude Test):** Paper-I will be compulsory and common for all the candidates and will have four sections.

**Section A:** Logical reasoning and Analytical ability (15 marks)

- Sequence and series
- Blood relations
- Direction tests
- Puzzle test
- Logical reasoning based on arrangements

**Section B:** General mental ability test (15 marks)

- Logical deduction
- Statements and conclusions
- Statement and course of action
- Assertion and reasons
- Verbal and non-verbal reasoning

**Section C:** Comprehension ability and situation analysis (15 marks)

**Section D:** Quantitative Aptitude (15 marks)

- Percentage
- Average

- Ratio and proportions
- Simplification
- Permutations and combinations

**Paper-II:** Paper-II will be discipline specific and aimed to assess the knowledge of the subject in which the applicant wants to seek the admission. It will have four sections as specified by the concerned department (60 MCQ type questions of one mark each)

2. There shall be no negative marking.
3. The candidate will have to choose one correct answer and mark on OMR sheet. However if a candidate marks multiple entries in the OMR sheet for particular question(s), it will be treated as cancelled.
4. Each correct answer will carry 01 mark.
5. In case a candidate appears in subject other than that specified in his/her application form/admit card, his/her exam will be cancelled. It is the responsibility of the candidate to appear in correct paper prescribed for the chosen Programme of Study.

Use of any unfair means shall automatically disqualify the candidate from FEAT-2016.

## Syllabus for Feat- 2016

### MA English

**Section A : Major Literary Terms**

**Section B : Major Poets** (John Milton, Alexander Pope, William Wordsworth, William Blake, John Keats, Robert Frost, Rabindranath Tagore, Derek Walcott, Alfred Lord Tennyson and Robert Browning)

**Section C : Major Novelists** (Jane Austen, Charles Dickens, Thomas Hardy, R.K. Narayan, Kamla Markandya, Mark Twain, Charlotte Bronte, Virginia Woolf, V.S. Naipaul, William Golding, Bisham Sahani)

**Section D : Major Dramatists** (William Shakespeare, Christopher Marlowe, G.B. Shaw, John Osborne, Harold Pinter, Vijay Tendulkar, Sophocles, Samuel Beckett, Bertolt Brecht, Arthur Miller)

### MA Hindi

- हिन्दी साहित्य का इतिहास
- हिन्दी भाषा का विकास
- हिन्दी कथा साहित्य (कहानी + उपन्यास)
- काव्य शास्त्र ( भारतीय + पाश्चात्य)

### MA Sanskrit

**वैदिकवाङ्मयः** संहिता; ब्राह्मणानि, आरण्यकाणि, उपनिषदः, वेदाङ्गानि

**व्याकरणम्** : शब्द-धातुरूपाणि, सन्धि-कारक-समासाः, प्रत्ययाः, अनुवादः

**संस्कृतसाहित्यम्** : काव्यानि, नाटकानि, छन्दांसि, अलङ्काराः, कविपरिचयः

**पुराणेतिहासं दर्शनानि च**: रामायणम्, महाभारतम्, श्रीमद्भगवद्गीता, षड्दर्शनानि, स्मृतयः, पुराणानि

### MA Journalism and Creative Writing

- **General Awareness** History of Media, Prominent Personalities Associated with Print

Media, and other Media related issues.

- **Current Affairs** Current Debates on Media, Awards & Honours, Policy Matters, latest happenings and other Media related issues
- **Print Media** Reporting, Editing, Media Management, Development Journalism, Public Relations, Advertising
- **Electronic Media** Radio, Television, Film Studies, New Media, Online Media

### M.Sc. in Computational Biology and Bioinformatics

Considering the interdisciplinary and integrative nature of the subject and to give equal opportunity to students coming from various disciplines, the questions requiring thinking and analysis in the following subjects will be asked in the entrance exam and equal weightage will be given to each paper. Following will be the composition:

	Subject	Number of Questions
1.	Physics	20%
2.	Chemistry	20%
3.	Mathematics (including Statistics)	20%
4.	Computer Sciences	20%
5.	Biology (Botany, Zoology, Biochemistry, Molecular Biology, Genetics, Microbiology etc.)	20%

All the above sections will be given equal proportion and the questions will be designed from the *bachelor's level syllabus*.

### MA Economics

- **General Economic Awareness** Indicators of Growth and Development, Trends in Poverty, Unemployment and Economic Growth in India, Indian Economic Institutions (Objectives, Functions & Organizational Structure): Planning Commission (Niti Ayog), Finance Commission, Reserve Bank of India, Economic Reforms in India, Trends in Liberalization, Privatization and Globalization in India, Exports and Imports in India, World Trade Organization (WTO) Agreement, International Economic Institutions (Objectives & Functions): World Bank, International Monetary Fund (IMF)

- **Mathematics I**

Set Theory, Linear and Quadratic Equations, Functions, Exponential and Logarithmic Functions, Matrix Operation (Addition, Subtraction, and Multiplication)

- **Mathematics II**

Limits & Continuity, Derivatives, Higher Order Derivatives, Partial Derivatives, Maximum/Minimum of a Function (One variable), Integration

- **Statistics**

Univariate distributions: Frequency table, Histogram  
Central tendency: Mean, Median, Mode, Harmonic Mean, and Geometric Mean.

Measures of Dispersion: Range, Interquartile range (IQR), Mean deviation, Standard deviation, Coefficient of variation (CV),

Correlation Analysis- Simple correlation, Partial correlation (three variables), multiple correlation (three variables), and Rank correlation

Probability: Basic concepts of probability, Venn diagram, Joint probability, Conditional probability, Permutations and Combinations.

### MSc IT (Information Technology)

#### Section-A (30% weightage)

**Fundamental of Computer:** History of computer, classification of computer, characteristics of computer, application of computer, hardware, software, firmware, CPU, memory hierarchy, I/O devices, number system, Boolean algebra, introduction to internet and email.

Programming in C and C++: Control structures, data structures (arrays, records included), data types, and functions, subroutines, parameter passing mechanism, Pointers, scope and lifetime of variables. Procedural and Problem oriented programming languages, Top-Down Programming, Bottom-up programming, Object Oriented Programming, Essentials of OOPs (Encapsulation, Overloading, Inheritance, Polymorphism) Object, Classes, Constructors, Destructors, and Exception Handling.

Computer Architecture: Overview of basic digital building blocks; basic structure of a digital computer. Combinatorial logic (multiplexers, decoders, encoders comparators, arithmetic operators included) sequential circuits (flip flops, counter and shift register).

#### Section-B (30% weightage)

Computer organization: Introduction, system buses and instructions cycles, memory subsystem organization and interfacing, and I/O subsystem organizations.

Basics of Operating System: Introduction of operating system, classification of operating system, Structure of operating system, Process management and scheduling, memory management, file systems, IO management.



Data Communication & Computer Networks: Introduction, data Transmission mode- simplex, half duplex, full duplex, analog and digital signal, transmission media, network reference model and architecture (OSI and TCP/IP), networks types (LAN, MAN and WAN), network topologies, components of network.

Database Management System: Basics of data management systems, database models, relational algebra, relational calculus, normalization, and SQL.

Section –C (20% weightage)

Mathematics: General Mathematics up to CBSE XII standard.

Section –D (20% weightage)

Physics: General Physics up to CBSE XII standard.

### MA in New Media Communications

- **News and Current Affairs** Burning issues, Fundamentals of Indian constitution, state and political affairs, sports, news related to economics and business, international affairs

- **Radio** History of radio, radio for agriculture, radio and green revolution, FM, radio programmes

- **Television & Film** History of Television, Landmark programmes of Indian Television, Who is Who in Indian television, Films in India, Film awards, popular Indian films, parallel cinema, legends of Indian films

- **Internet and Social Media** History of Internet, Internet in India, Social Media, Social Media and Freedom of Expression

### MA (Social Work)

- **Sociological Concepts and Social Problems** Society, Community, Groups – Definition, Types; Types of Society, Social Institutions, Groups and its Type

Social Problems: Poverty, Unemployment, Drug Addiction, Old Age & Destitution, Corruption, Domestic Violence, Displacement, Harassment & Abuse in workplace;

Communism, Secularism & Socialism

- **Social Change & Social Reform** Social Reform Movements

Social Reformers: Mahatma Gandhi, Vinoba Bhave, Ambedkar, Vivekanand, Raja Ram Mohan Roy, Mother Teresa, etc. and their contribution

Social Legislation – RTI, Domestic Violence, POSCO, and Legislation related to SC/ST, Juvenile Justice Act, Lokpal, Legal Aid & Public Interest Litigation.

Non-governmental Organizations

- **Indian Polity, Social Policy & Social Development**

Constitution of India: Fundamental Rights, DPSP, Fundamental Duties; Constitutional provisions and safeguards for SCs, STs, OBCs, Women & Children; Panchayati Raj System;

Human Rights: Institutions, International Conventions  
Social welfare and social development: Recent Policies and Programmes

Information Communication Technology

Health – Epidemiology, Communicable disease, Health Systems, Health Indicators

Community Development

- **Social Research** Basics of Research Methodology, Nature & Types of Research

Science & Scientific Method; Research Design, Sampling,

Techniques of Data Collection;

Basic Statistics : Mean, Median & Mode

### M.Sc. MATHEMATICS

- **Mathematical Analysis:** Sequence and series of real numbers, Mean value theorem, Maxima and minima of functions of a single variable and several variables, Open and closed sets, limit points, completeness of  $\mathbb{R}$ , Uniform Continuity and convergence, Power series, proper and improper integrals, Fundamental theorem of calculus, Gradient, divergence, curl and Laplacian, Green's, Stokes and Gauss theorems and their applications.

- **Ordinary and Partial Differential Equations:** First order ODEs, Initial value problems, Linear ODEs with constant and variable coefficients, Method of variation of parameters, first order linear PDEs and Lagrange method, Linear PDEs with constant and variable coefficients.

- **Complex Analysis:** Algebra of complex numbers, Analytic functions, Cauchy-Riemann equations, Contour integral, Cauchy's theorem, Cauchy's integral formula, Liouville's theorem, Taylor series, Laurent series, singularities, calculus of residues, Conformal mappings.

- **Linear Algebra and Algebra:** Systems of linear equations. Matrices, rank, determinant, inverse. Eigenvalues and eigenvectors. Finite Dimensional Vector Spaces over Real and Complex Numbers, Basis, Dimension, Linear Transformations, Groups, subgroups and normal subgroups, Lagrange's Theorem for finite groups, group homomorphisms and basic concepts of quotient groups, rings, ideals, quotient rings and fields.

## **MBA (Tourism and Travel)**

### **SECTION-A Himachal Pradesh as a Tourist Destination**

- Geography of Himachal Pradesh, Climate, People, Language, Population.
- Important Fairs and Festivals, Performing Arts, Wildlife, Cuisine, Temples, Churches, Gurudwara, Monasteries, Adventure tourism places and important tourism Circuits of Himachal Pradesh

### **SECTION-B Tourism Product of India**

- Heritage Tourism products of India: Forts, Palaces, other architectural marvels etc
- Religious Tourism Products of India: Temples, Mosques, Churches, Gurudwara etc
- Natural Tourism Resources in India: Landforms (mountains, deserts, beaches, coastal areas and Islands), Water bodies and biotic wealth ( flora – fauna ), wildlife etc

### **SECTION-C Indian Culture and Society**

- Cultural Tourism Resources in India: Indian History, Traditions, Customs and costumes, cuisine. Music, Dance forms; painting, Craftsmanship etc.
- Contemporary tourism destinations for adventure tourism, eco-tourism, health tourism etc.

### **SECTION-D World Tourism Destinations**

- Major popular tourism destinations of the world

## **MSc Physics**

### **SECTION-A**

#### **Mathematical methods**

Infinite sequences and series - convergence and divergence, conditional and absolute convergence, ratio test for convergence.

Calculus of single and multiple variable, Partial derivatives, Jacobian, Imperfect and perfect differentials. Taylor Expansion.

Vector algebra, Vector Calculus, Multiple integrals, Divergence theorem, Green's theorems, Stokes' theorem, Orthogonal coordinate systems.

First order equations and linear second order differential equations with constant coefficients.

Linear vector spaces, linear independence, basis.

Matrices and determinants, Hermitian adjoint and inverse of a matrix; Hermitian, orthogonal, and unitary matrices; Eigenvalue and eigenvectors.

Fourier expansion – statement of Dirichlet's condition, analysis of simple waveforms with Fourier series.

Probability distributions and error analysis.

### **Classical mechanics and general properties of matter**

Newton's laws of motion and applications, Velocity and acceleration in Cartesian, Polar and cylindrical coordinate systems. Uniformly rotating frame, Centrifugal and Coriolis forces.

System of particles, Center of mass, Equation of motion of the CM, Conservation of linear and angular momentum, Conservation of energy, Variable mass systems

Motion under a central force, Kepler's laws, Gravitational Law and field, Conservative and non-conservative forces

Elastic and inelastic collisions.

Differential equation for simple harmonic oscillator and its general solution, Superposition of two or more simple harmonic oscillators, Lissajous figures, Damped and forced oscillators, resonance, Wave equation, travelling and standing waves in one dimension, Energy density and energy transmission in waves, Group velocity and phase velocity, Sound waves in media, Doppler Effect.

Rigid body motion, Euler angles, Fixed axis rotations. Moments of Inertia and products of Inertia,

Parallel and perpendicular axes theorem, Principal moments and axes.

Kinematics of moving fluids, Equation of continuity, Euler's equation, Bernoulli's theorem.

### **SECTION-B**

#### **Optics**

Fermat's Principle, General theory of image formation, Thick lens, Thin lens and lens combinations.

Huygen's principle, Interference of light, Optical path retardation, interferometers.

Fraunhofer diffraction, Rayleigh criterion and resolving power, Diffraction gratings.

Linear, Circular and elliptic polarization, Double refraction and optical rotation.

Lasers, principle and working.

## Electricity and magnetism

Electricity and Magnetism: Coulomb's law, Gauss's law, Electric field and potential

Electrostatic boundary conditions, Solution of Laplace's equation for simple cases.

Conductors, Capacitors, Dielectrics, Dielectric polarization

Volume and surface charges, energy stored in Electromagnetic field

Biot-Savart law, Ampere's law, Faraday's law of electromagnetic induction, Self and mutual inductance.

Alternating currents, Simple DC and AC circuits with R, L and C components.

Displacement current, Maxwell's equations and plane electromagnetic waves, Poynting's theorem.

Lorentz Force and motion of charged particles in electric and magnetic fields.

Reflection and refraction at a dielectric interface, Transmission and reflection coefficients.

## SECTION-C

### Modern Physics

Inertial frames and Galilean invariance, Postulates of special relativity, Lorentz transformations, Length contraction, Time dilation, Relativistic velocity addition theorem, Mass energy equivalence.

Blackbody radiation, Planck's law, Rayleigh- Jeans and Wein's law, Photoelectric effect, Compton Effect.

Bohr's atomic model, Sommerfeld's correction, X-rays.

Wave-particle duality, Uncertainty principle.

Wave function and its interpretation, wave packets, Dynamical variables as operators, measurement of observables, expectation values. Commutation relations between operators and compatibility, observables and simultaneous measurements, Ehrenfest's theorem.

Schrödinger equation and its solution for one, two and three dimensional boxes, Solution of Schrödinger equation for the one dimensional harmonic oscillator, Reflection and transmission at a step potential.

### Nuclear and Particle Physics

General Properties of Nuclei, Nuclear Models: liquid drop model, condition of nuclear stability.

Experimental evidence for nuclear magic numbers, elementary accounts of nuclear shell model and its predictions, Radioactivity, qualitative account of the theory of alpha decay and beta decay,

Interaction of Nuclear Radiation with matter:

Energy loss due to ionization energy loss of electrons, Cerenkov radiation, Rutherford scattering, multiple coulomb scattering, passage of gamma-rays through matter. Compton scattering, pair production radiation loss by fast electrons, Radiation length and electron-gamma showers, position annihilation, Relativistic Kinematics. Particles Accelerators and Detectors, classification of elementary particles, Types of interactions and its features, Mass spectra and major decays of elementary particle: leptons, mesons, baryons, Weak and electromagnetic Decays of Strange mesons and Hyperons. Classification of weak decays and selection rules.

## SECTION-D

### Atomic and Molecular Spectroscopy

Good quantum numbers and selection rules. Stern-Gerlach experiment, Fine structure.

Magnetic moment of the electron, Lande g factor. Vector model – space quantization. Zeeman effect. Explanation from vector atom model.

Pauli exclusion principle, shell structure. Hund's rule, spectroscopic terms of many electron atoms in the ground state, Spectra of alkali and alkaline earth atoms. Rotational and vibrational spectra, Raman effect, Stokes and anti stokes lines, complimentary character of Raman and Infrared spectra, experimental arrangements for Raman spectroscopy.

### Kinetic Theory of Gases and Thermodynamics

Elements of Kinetic theory of gases. Velocity distribution and Equipartition of energy. Specific heat of Mono-, di- and tri-atomic gases. Ideal gas, van-der-Waals gas and equation of state. Mean free path.

Laws of thermodynamics. Zeroth law and concept of thermal equilibrium. First law and its consequences. Isothermal and adiabatic processes. Reversible, irreversible and quasi-static processes. Second law and entropy. Carnot cycle. Maxwell's thermodynamic relations and simple applications. Thermodynamic potentials and their applications. Phase transitions and Clausius-Clapeyron equation.

Ideas of ensembles, Maxwell-Boltzmann, Fermi-Dirac and Bose-Einstein distributions.

### Solid State Physics and Electronics

Basics of Crystal Structure: Lattice and basis, primitive and unit cell, Wigner Seitz cell, symmetry operations, lattice types, packing fraction, Miller indices, simple structures NaCl, diamond. Diffraction Methods: Bragg's Law, experimental arrangements, Laue equation,

reciprocal lattice, atomic scattering factor, geometrical structure factors. Crystal bonding: Potential between a pair of atoms, Lennard-Jones potential, Ionic, Covalent, Vander - Waal's, cohesive energy, Lattice Vibration, specific heat Einstein and Debye's models of specific heat. Free electron theory of metals, Band Theory of Metals: Kronig Penny model, Brillouin zones, electrons in periodic structure, energy bands, energy gaps, effective mass of electrons and holes, metals, insulators, semiconductors, Magnetism, Curie-Weiss law, Langevin theory, basics of superconductivity.

Junction Diodes, Transistors their characteristics and simple circuit designs: Thevenin's Theorem, Norton Theorem, Constant Voltage and current generator, idea of equivalent circuits, low frequency equivalent circuits, h-parameters, bias stability, thermal runaway. BJT, FET's and MOSFETS: Structure and working, FET amplifier. Oscillators: Tuned Collector, Hartley and Colpitts oscillators, phase shift oscillators. Operational Amplifier, inverting noninverting amplifier, OP-Amp as adder, subtractor, comparator, integrator and differentiator. Modulation and detection, Digital electronics fundamentals, various number systems, Basic logic gates, de-Morgan's law

### **MSc Environmental Sciences**

**Section A :** Law of Motion, Work, Energy and Power, Gravitation; Gas Laws, The First Law of Thermodynamics, Joule's Law, Specific Heats, Enthalpy, Adiabatic Processes; The Spectrum of Radiation, Blackbody Radiation, The Planck Function, Wien's Displacement Law, The Stefan-Boltzmann Law, Kirchhoff's Law, Beer's Law; Interaction of light with matter: Transmission, Absorption, Scattering; Beer-Lambert's Law; Atomic Absorption and Atomic Emission Spectra, X-Rays and Interaction of X-Rays with Matter. Single variable calculus: domain and range, maxima and minima, continuity, differentiability, integration; matrices and determinants; eigen values and eigenvectors; permutation and combination; ordinary differential equations with constant coefficients; analytic functions; groups and subgroups.

**Section B :** Microbes-diversity, structure and reproduction. General account of infection, Phytoimmunology; Microbiology-Role in agriculture, industry, medicine and pollution combatment; Important plant diseases caused by viruses, bacteria, fungi and nematodes; Cryptogams and Gymnosperms-classification, distribution, diversity, structure and reproduction from evolutionary view point;

Angiosperms- Systematics, anatomy, embryology, palynology and phylogeny; various systems of Classification; Non-chordata and chordates- General characters, nutrition, locomotion, reproduction of Protozoa, Coelenterata, Platyhelminthes, Nematelminthes, Annelida, Arthropoda, Mollusca, and Echinodermata, comparative study of Pisces, Amphibia, Reptilia and Mammalia; Cell and Molecular Biology- Techniques of Cell Biology, Prokaryotic and eukaryotic cells, Linkage and crossing over-methods of gene mapping including molecular maps; sex determination and molecular basis of sex differentiation, Mutations; Organic evolution; Ecology- Ecosystem structure and function of ecosystem, food chains, food webs and ecological succession; Ecological factors, Concepts and dynamics of community, Plant succession, Concepts of biosphere, Ecosystems and their conservation, Pollution, afforestation, deforestation and social forestry, Endangered plants, endemism and Red Data Books, Biodiversity- Convention of Biological Diversity and Conservation, Sovereign Rights and Intellectual Property Rights, Biogeochemical cycles.

**Section C :** Element and periodicity, reaction mechanism, ionic, covalent and complex compounds , alkane, alkene , alkyne and aromatic compounds. Heterocyclic compounds, Homolytic and heterolytic fission , chemical kinetics.

Environmental studies its scope and importance; Concept of sustainability and sustainable development. Natural Resources Renewable and Non-renewable Resources and its conservation; Environmental Pollution; Environmental Legislations - national and international ; Current environmental Issues- Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture.

**Section D :** Modern theories on the origin of the Earth; Internal structure of Earth; Theory of Plate tectonics and its implications in understanding mountain building and sea floor spreading processes; Folds and Faults; Natural hazards; Introduction to rocks and minerals. Different types of rocks and their characteristics; Rock-forming minerals; weathering and erosion of rocks and minerals; Geological Time Scale and associated geological events; Biogeochemical cycle; Physical work of river, wind, glacier, sea and lake; basic hydrology; engineering geology; environmental geology.



## MBA

### Section A: Data Analysis and Numerical Aptitude:

- Data analysis and interpretation based on text, graphs and tables,
- Time, Speed, Distance, Ratios and Proportions
- Profit & Loss, Simple and Compound Interest
- Elementary Statistics

### Section B: Business Awareness:

- Indian Business Environment
- legends of business and business corporate
- Current issues in business
- Famous award and prizes in Business
- International institutions
- Brand, Trademarks and advertisements

### Section C: Business Communication:

- Business writing
- Business Vocabulary
- Pronouns and misplaced modifiers
- Sentence Completion
- Synonyms and Antonyms

### Section D: General Knowledge:

- National Statistics
- Economic Geography
- Famous Books and Authors
- Sports
- Current Affairs

## Master of Library and Information Science

### SECTION-A

#### Types of library systems

- Role of libraries in the contemporary society
- National libraries features, functions & activities
- Academic libraries features, functions & activities
- Special libraries features, functions & activities
- Public libraries features, functions & activities

### SECTION- B

#### Knowledge, Information and Data;Types of societies

- Data types
- Primary, secondary and tertiary information
- Types of knowledge
- Agricultural society, industrial society
- Knowledge society

### SECTION-C

#### Information sources

- Difference between ordinary book and reference book
- Difference between Journal and Magazine
- Difference between indexing service and abstracting service
- Difference between handbook and directory
- Difference between thesis and dissertation
- Difference between patent and standard

### SECTION-D

#### Computer Fundamentals

- Computer Organisation
- Generations of Computers
- Classification of computers
- Computer memory: RAM, ROM
- Secondary Storage: Characteristics of Hard disk and CD-ROM, DVDs, Blue-ray Disks
- Printers and Scanners;Types and characteristics
- Types of software.

## MA Sociology

### SECTION-A

**Introduction to Sociology, Human Society, Culture, and Socialization:** Definition, Nature, Relationship of Sociology with other Social Sciences, Human Society, Social Groups, Association, Community, Caste and Social Stratification, Culture and Civilization, Cultural Lag, Conceptual Understanding of Acculturation, Assimilation and Socialization.

### SECTION-B

**Social Structure and Change:** Status and Role, Social Change: Types of Social Change: Evolution (Comte), Revolution (Marx). Processes of Social Change: Sanskritization, Westernization, Modernization, Secularization and Globalization.

### SECTION-C

**Rural and Urban Society:** Family, Marriage, Kinship, Cultural Change, Economy and Polity (Village Panchayat). Urban Society: Concepts of Urbanization and Urbanism, Urban family, Voluntary associations, Slums, Crime, Pluralism and Cultural diversity, Industrialization, population growth and Social Change.

### SECTION-D

**Sociology of Underprivileged:** Women, Scheduled Castes, Scheduled Tribes, Disabled, Minorities. Gender inequality, Aging, Racial and Ethnic Inequality

## M.A. Education

### Section A

1. Co-operative nature
2. Wide interest and Scholarly taste
3. Moral character & discipline
4. Leadership quality
5. Empathy with the needs of problems of children

### Section B Indian Society

1. Social process: social stratification, social change, social mobility
2. Society and culture: cultural change, cultural lag, acculturation
3. Social problem: Social injustice and inequality, poverty, crime against women, child labour, drug abuse

### Contemporary Indian education system

1. Education in independent India: Provisions for

education in Indian constitution, Structure of Indian education system: from Primary to higher education

2. Efforts for free and compulsory education: from Sarva Shiksha Abhiyan to Right to Education

### Section C Human development and learning

1. Thinking, Reasoning and problem
2. Learning processes
3. Human development

### Section D

1. Caste and Class: The Education of marginalized
2. Gender: The Girl Child and Schooling
3. Education of/for minorities
4. Language, Politics and Culture: Mainstream and alternatives



## Online Application

A candidate can **apply online** by clicking on the link given at the **University Website** ([www.cuhimachal.ac.in](http://www.cuhimachal.ac.in)). Applicants are advised to read carefully all instructions given therein.

Requisite application fee can be made through any of the following mode:

- **Debit Card** of any bank (Visa/Master Card/Maestro)
- All major **Credit Cards**
- **Post Office Challans** (Challan may be submitted to the nearest Post Office after filling the details)

**Last Date** to apply online is **06<sup>th</sup> June, 2016**.



माननीया मानव संसाधन विकास मंत्री महोदया से  
तृतीय दीक्षांत समारोह के दौरान डिग्री प्राप्त करते पीएच.डी. शोधार्थी





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 SMS Service No. 9459100100  
 Police Station No. : 01892-238021

Mobile no. of Chairman, Anti Ragging Squad & Proctor : Dr. Roshan Lal Sharma - 8626825108, 9418013739  
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The University has zero tolerance for Ragging in this University and fully complies with the guidelines given by Hon'ble Supreme Court of India as notified by the UGC in "UGC Regulation on curbing the Menace of Ragging in Higher Educational Institutions, 2009" [Under Section 26(1)(g) of The UGC Act, 1956] published in the Gazette of India, (Part-III-Sec 4, July 4, 2009).

**DISCLAIMER :** The information given in this Prospectus pertains only to the Programmes of Study offered by the Central University of Himachal Pradesh during the Academic Session 2016-17 and are subject to the Act, Statutes, Ordinances and Regulations of the University. The information contained in this Prospectus is only indicative and must not be used for legal purposes.