

**CENTRE FOR MOUNTAIN TOURISM AND HOSPITALITY STUDIES
HNB GARHWAL UNIVERSITY, SRINAGAR- GARHWAL
ORDINANCES
FOR
THE DOCTOR OF PHILOSOPHY PROGRAMMES (Ph. D.) IN TOURISM**

ELIGIBILITY:

1. (a) An applicant (hereinafter in this Ordinance referred to as "applicant") for admission to the academic programme leading to the Doctor of Philosophy (Ph. D.) degree in Tourism of the HNB Garhwal University (hereinafter referred to as "University") shall not be considered for such admission, unless he/she

(i) holds, in tourism/hotel management or in a cognate or an allied/interdisciplinary subject, the Master's degree with 55 percent marks (for SC/ST 50 percent marks) or equivalent grade at the masters level or a degree equivalent to Master's degree recognized by the University or institution of higher learning recognized by the University in that regard, and fulfils other conditions of eligibility laid down by this Ordinance or, in furtherance of the same, by the Academic Council by Regulations:

Provided that any question, as to whether the subject professed by the applicant is a cognate or an allied subject, shall be referred to the Academic Council for decision;

(ii) Has submitted an application, on the prescribed form approved by the academic council and according to the regulation laid down.

Provided that an applicant in employment shall be subject to the provisions of sub-clause (c);

(iii) Has qualified in a preliminary test or assessment (hereafter in this Ordinance referred to as "the eligibility test"), organized by the University for the purpose of admission to the Ph. D. programme, in tourism.

The application for the eligibility/entrance test shall be submitted to the office of the Director, Centre for Mountain Tourism and Hospitality Studies (CMTHS) on a prescribed form approved by the Academic Council.

Eligibility/entrance test shall be conducted by CMTHS departments on behalf of the University not more than twice a year on the date convenient to university. The eligibility test shall be designed to test the knowledge of the subject concerned at Post Graduate level.

The following categories of the applicants shall be exempted from the eligibility test-

- i) Regularly appointed teachers of this University.
- ii) Teacher Fellow (Under UGC Scheme)
- iii) NET/SLET/GATE qualified candidates
- iv) International students
- v) M.Phil. Qualified candidates

(b) All applicants admitted to the Ph. D. programme shall fulfill the minimum requirement of residence of twenty four months in the Centre for Mountain Tourism and Hospitality Studies of University.

Provided that where the research of the applicant requires to visit and work in other Institutes/ National/ International Centres under some National/ International research programmes/ Libraries he/she shall seek permission, duly recommended by the supervisor, and forwarded by the Director for this purpose.

If the time period requested for such work is for less than three months, the permission shall be granted by the Dean, and for the time period exceeding three months up to one year by the Vice-Chancellor.

(c) An applicant in employment shall not be considered for admission to the Ph. D., programme, except upon submitting a 'No Objection' Certificate of his/her employer, affirming-

- (i) for leave of absence for the requisite period in order to fulfill the requirement of residence.

A teacher of the University shall not be required to submit such 'No Objection Certificate', but his/her application shall require the endorsement of the Head of his/her Department and the application shall be sent through the proper channel.

2. (a) The applications of the qualified applicants in the eligibility test, and the applicants exempted there from, shall be placed before the relevant Board of Studies of Centre for Mountain Tourism and Hospitality Studies (hereafter in this Ordinance referred to as "the academic entity"). Which shall recommend it to the Vice-Chancellor for approval?

(b) Qualifications and Appointment of the Supervisors and Co -supervisors.

- (i). (a) No person shall be recommended for appointment as the Supervisor of a candidate except if he/she has expertise in, or knowledge of, the relevant subject or area of research and holds a Ph.D./ D.Phil degree in the subject and has been teaching and doing research in a Post Graduate department.

(b) No teacher of a Department serving as Assistant Professor shall be recommended for appointment as Supervisor, except if he/she has been regularly appointed as Assistant Professor, holds a doctoral degree and has experience of teaching at Graduate and Post-graduate level of not less than five years, including experience of not less than two years of teaching and research at the Post-graduate level:

Provided that in the case of an Assistant Professor, who has research publications to his/her credit and is currently working as Principal Investigator in at least one research project, the required experience of teaching at Post-graduate level shall be of not less than two year:

Provided that this provision shall not apply in the case of such Assistant Professors as have been supervising candidates for the Ph. D., degree of the University immediately before the commencement of this Ordinance.

- (c) No supervisor shall be a relative of the candidate (as defined by the Company Act of 1956.)
- (ii). No person shall be recommended for appointment as Supervisor in a Department, except if he/she is a serving Professor, Associate or Assistant Professor thereof. Emeritus Professor/Scientist may be recommended for appointment as Supervisor in the academic entity of Tourism.
3. (a) A Supervisor who is a Professor can supervise 08, Associate Professor 06, and Assistant Professor 04 candidates at one time.
- (b) In the case of the absence of a Supervisor from the station, on leave or otherwise, for more than one year, the Board of Studies may, in accordance with the standing instructions, of the School Board assign any other such supervisor of the tourism academic entity who has knowledge of the area of research of the candidate, as temporary Supervisor of the candidate for the period of such absence provided he is eligible to be a supervisor under clause (2- b) sub clause (1(a) and(b) above:

Provided that where the supervisor relinquishes his/her assignment as such, or permanently leaves the area or is otherwise no longer in a position to supervise candidates on production of a no objection certificate (except in the case of the death of a supervisor) the Board of Studies shall in respect of the candidates enrolled with the said supervisor, recommend to the School Board through the Dean of the School the name of such other persons eligible to act as supervisors or to be the new supervisors of such candidates, without exceeding, the enrolment limits specified above.

- (c) A supervisor may, for good and sufficient cause, recorded in writing and submitted to the Board of Studies, seek to be relieved of the supervision of any applicant or seek cancellation of registration of any applicant. The recommendation of the Board of Studies, thereon, shall be forwarded, through the Dean to the School Board for decision.
4. Upon provision being made by the Academic Council by Regulations for the appointment of a co-supervisor for a candidate, such appointment shall be governed by the following conditions, which shall be subject to such modifications as may be made in the same by the said Regulations-
- (a)the supervisor may, in the interests of the conduct of theoretical or experimental investigations, or fieldwork, essential to the research work of the candidate, recommend to the Board of Studies the appointment of a person, who has expertise in the concerned subject or area of research and has given his/her consent to that effect, as the co-supervisor of the candidate, and shall spell out in such recommendation the specific way

or ways in which the association of the proposed co-supervisor shall benefit the candidate;

- (b) No person may be recommended for appointment as the co-supervisor, except if he/she is eligible to supervise candidates under the provision of Rule 2 (b). Provided that a person shall not be recommended for appointment as a co-supervisor in the same academic entity in which he/she is eligible to be, a supervisor;
- (c)) No person shall act as co-supervisor of more than two candidates at any one time in addition to the limits as supervisor;
- (d) The recommendation if endorsed by the Board of Studies, be forwarded by the Director through the Dean of the School of Management to the School Board for approval, and upon such approval, the Registrar shall communicate the same to the concerned candidate, his/her supervisor and the concerned Board of Studies,
- (e) The Board of Studies shall monitor the work and progress of each applicant admitted to the Ph. D. programme, in consultation with the supervisor, and shall advise such admitted applicant, on any aspect of his/her work and progress that may appear to it to be necessary.

5. (a) The number of seats for Ph.D. programme in Tourism shall be decided well in advance and notified in the University website or advertised.

(b) The Board of studies or the sub committee appointed by the Board of Studies shall assign the supervisors to the selected candidates with the consent of the supervisor.

(c) The research topic for Ph.D shall be finalized in consultation with the supervisor and shall be approved by the Board of Studies, so that the collection of relevant literature and conceptualization of the research design could be completed during the pre Ph.D. Course -Work.

(e) Structure of the Course –Work;

The Course Work shall consist of the following:

- 1. Core Course
- 2. Elective Course

Core Course shall be mandatory for all students and the total number of credit for the core and elective courses shall be 15 with the following pattern

(a) Core Course-	4 +3 credits (two courses)	7 credits
(b) Elective Course –	4+4 credits (Two courses)	8 credits
	Total	15

6. Examination and Evaluation of the course- work

- (a) Evaluation shall be done on a continuous basis. For the purpose of uniformity, there will be two sessional tests and one End-semester examination. Sessional tests (of one hours duration) may employ one or more assessment tools such as objective tests, assignments, paper presentation, computer lab work, etc suitable to the course.
- (b) Students shall compulsorily attend the two sessional tests, failing which they will not be allowed to appear for the end semester examination. In case of students who could not attend any of the sessional tests due to medical reason or under extraordinary circumstances, a separate test shall be conducted before the End Semester Examinations with the permission of the Dean of the School on recommendation of the Director, CMTHS.
- (c) The Sessional tests will carry 40% of total marks for the course. The marks of the two Sessional Tests shall be taken into account for the computation of Grades.

There shall be one End semester examination of 2 hours duration carrying 60% of Marks in each course covering the entire syllabus prescribed for the course at the end of the semester only. The End semester examination shall be normally a written based examination. The End semester examination and evaluation shall be conducted by the University.

- (d) A candidate who has less than 75% attendance shall not be permitted to sit in examination however, it shall be open to the Dean to grant exemption to a candidate who has failed to obtain the prescribed 75% attendance for valid reasons on payment Rs.2000/- (Rs. two thousand only) and such exemptions shall not under any circumstances be granted for attendance below 65%.
- (e) The Dean through the Director of CMTHS shall announce the names of all students who will not be eligible to take the examinations and send a copy of the same to the Registrar and Controller of Examination.

7. Marks and Grading of the course-work

- (a) A candidate has to secure a minimum of 50 percent of marks (Two Sessional Tests marks plus End-Semester examination mark) in the course taken together, to pass in that course. A candidate who has not secured a minimum of 50 percent of marks in a course shall be deemed to have failed in that course. A failed student shall be allowed to repeat the semester examinations for a maximum of three times and he/she has to pass the Pre Ph.D course before submission of the Ph.D. thesis. The Sessional Marks obtained by the student shall be carried over for declaring the result.
- (b) The percentage of marks obtained by a student in a course will be indicated by a grade point and a letter grade. A Six (6) point scale shall be used for the evaluation of the performance of the student as given below:

MARKS	GRADE POINT	LETTER GRADE
75-100	5.50-6.00	O
65-74	4.50-5.49	A+
60-64	4.00-4.49	A
55-59	3.50-3.99	B+
50-54	3.00-3.49	B
Below 50 %	0.00-2.99	F

(c) The system of evaluation shall be transparent and students shall have the right to examine their marked answer scripts. The teacher of a course shall give the attendance and performance sheets for Sessional Test I and Sessional Test II to the Director of CMTHS, who in turn shall *consolidate* all such sheets and the same shall be forwarded to the Controller of Examinations through the Dean School of Management. The Controller of Examinations shall issue the Mark and the Grade Statements to the Students.

8. (a) After the successful completion of the Course-Work the candidates shall submit along with the application form, 06 copies of synopsis of the research proposal drawn up by him/her, in consultation with the supervisor, which shall be forwarded by the Director of CMTHS to the Board of Studies.

Provided that the said synopsis shall ordinarily be in not more than 2000 words, and shall present a review of the literature and current state of knowledge on the proposed topic of research, the objectives and plan of research, the sources, and methodology proposed to be employed in the investigation and such other information as may be relevant in that regard.

(b) The Board of Studies shall examine the list, the applications and the synopsis with reference to the provisions of this Ordinance and the Regulations. Such applicants shall be asked to make presentation about their topic and synopsis before the Board of Studies. The Board of Studies shall grant admission to such applicants as are, in its judgment, suitable for Registration, and also finalize the research topics of each admitted candidate. The recommendations of the Board of Studies shall be forwarded to the Vice Chancellor through the School Board and also reported to the Academic Council.

(c) In furtherance of the decision of the Vice Chancellor to grant admission to a candidate, the Registrar shall issue a letter of admission to him/her specifying the name of his/her supervisor, the topic of his/her research, the academic entity where he/she shall be enrolled and the period ordinarily of not more than one month, within which he/she is required to get himself/herself enrolled for the Ph. D. programme after paying the prescribed fees and completing other requisite formalities:

Provided that where the candidate gets himself/herself so enrolled within the said period, his/her enrolment shall be with effect from the date of the meeting of the Board of Studies that granted his/her admission, but in all other cases the said enrolment shall be with effect from the actual date of paying the prescribed fees and completing other formalities.

9. (a) Subject to the provisions of this Ordinance and the Regulations, each candidate shall, upon admission and enrolment to the Ph. D. programme, pursue a course of research of a duration of not less than twenty-four months in residence at CMTHS of the University and shall regularly pay the prescribed annual and other fees up to the time he/she withdraws from his/her enrolment, or such enrolment is terminated, or he/she duly submits his/her thesis to the University.

(b) The schedule of the fees and other dues, including fees for the examination of the thesis and the viva voce examination, to be charged to candidates, and the manner of the payment thereof, shall be laid down, from time to time, on the recommendation of the Academic Council by the Executive Council, and the provisions in respect of the consequences of failure to pay such fees and other dues within the time specified for the purpose, and other conditions for the continuation or termination of the admission of the candidate shall be prescribed by the Academic Council by Regulations:

(c) The registered candidates shall have to apply in the department and hostel (if applicable) for renewal of admission in every academic session and pay the requisite fees.

Provided that a regularly appointed teacher of the University, enrolled as a candidate shall be exempted from the payment of all fees other than the initial admission fees and the thesis and viva voce examination fees.

(d) The candidate shall not be entitled, or permitted, to secure admission to, or continue his earlier admission in, any other degree granting courses of study or whole time academic programme, whether in the University or in any other institution, and his/her admission to the Ph. D. programme shall stand terminated at whatever stage he/she is discovered to have been in violation of this requirement.

10. (a) The candidate shall, report and record his/her attendance at the concerned academic entity on all working days which shall be supervised by the supervisor and the Director of CMTHS.

(b) The candidate holding a Fellowship awarded by of the University Grants Commission, the Council of Scientific and Industrial Research or any other national/international funding agency, or any other research fellowship or scholarship may be required to assist in the teaching and other academic work of the academic entity of CMTHS, in accordance with the rules laid down by the Academic Council/ the Vice-Chancellor/ the relevant funding agency.

(c) The candidate shall submit yearly reports to the Board of Studies, through the supervisor, on the work done by him and the work he/she proposes to do in the ensuing academic year.

(d) In case the candidate is in default of any of the requirements specified in this clause and other provisions of this Ordinance or in the Regulations, or in case the Board of Studies is not satisfied with any aspect of his/her work and progress and conduct, it may, after considering such explanation as he/she may submit through his/her supervisor in that regard, take such action as it

may deem proper including a recommendation to the School Board that the admission of the candidate be terminated.

11. (a) The candidate shall be required to complete his/her research work and submit the thesis within a period of four years reckoned from the date of his/her enrolment for the Ph. D. programme in the academic entity of CMTHS

Provided that the School Board may, after considering the recommendation of the Board of Studies, in a very special case and for reasons to be recorded, grant further extension, of not more than one year.

Provided further that in case the candidate fails to submit the thesis within the period permitted for the submission of the thesis, including the periods of the extension thereof his/her admission to the Ph. D. programme shall be liable to be terminated and he /she shall, upon such termination, forfeit all the fees and other dues paid by him/her for and during such admission.

However, looking into the work of the candidate and recommendation of the supervisor the Board of Studies may consider the case of re -registration and shall forward such applications to the Vice- chancellor through the Dean of the School of Management for the decision. After getting the permission of re- registration the candidate shall have to pay admission and other fees as determined by the University and may submit the thesis within one year of re -registration.

(b) Subject to the approval of the School Board the Board of Studies may, on the recommendation of the supervisor permit the candidate, not less than one year before the submission of his/her thesis, to modify his/her topic of research, or limit the scope thereof:

(c) Prior to submission of the thesis, the student shall make a pre-Ph. D. presentation in the department that may be open to all faculty members and research students, for getting feedback and comments, which may suitably be incorporated into the draft of the thesis under advice of the Supervisor.

(d) Ph. D. candidates shall publish at least one research paper in a referred journal before the submission of the thesis/monograph for adjudication and produce an evidence for the same in the form of the acceptance letter or the reprint.

12. Appointment of Examiners:

(a) The candidate may, not less than six months before the date on which he/she shall complete the minimum requirement of residence, submit an application recommended by his/her supervisor, on the Form prescribed for the purpose, to the effect that the thesis of the candidate is likely to be submitted within six months. On receiving such application, the Director, CMTHS shall recommend to the Vice-Chancellor to appoint a panel of examiners for evaluation of the thesis. The Vice- Chancellor shall direct the Registrar to ask the concerned Supervisor and the Director of CMTHS to propose a panel of four examiners each

of the subject or area of research concerned, for evaluating the thesis of the candidate. The Vice-Chancellor shall appoint three examiners out of the proposed panel for evaluation of the thesis. However the Vice-Chancellor may also add more names to the panel.

- (b) On the receipt of the thesis along with the certificate from the supervisor and the Director of CMTHS that the candidate has fulfilled all the required conditions and the prescribed fees the thesis shall be sent to the three examiners appointed by the Vice-Chancellor from the panel constituted for this purpose. The examiners shall be persons not in the service of the University, out of which at least two shall be from outside of the state.

Provided that, ordinarily, no examiner shall conduct the viva voce examination, except if he/she has evaluated the thesis of the candidate. In exceptional cases the Vice-Chancellor may appoint a fourth examiner and such cases shall be reported to the Academic Council. This shall apply to all the cases with effect from January 15, 2009.

Provided also that such panel shall no longer be valid in case the thesis has not been submitted within one year.

13. (a) After the research work of the candidate is complete he/she shall submit, in conformity, three copies of his/her thesis along with three copies of the summary, in not more than 5000 words, and two soft copies.

(b) The candidate shall indicate in the thesis as to how far it embodies the result of his /her own research of observations and in what respect his/her investigations appear to him/her to advance the study of his/her topic and subject.

(c) The candidate may also enclose with the thesis, any printed contribution or contributions to the advancement of his/her topic or related to the subject that he/she may have published independently or co jointly.

(d) The thesis submitted by the candidate shall comply with the following conditions-

- (i) that it is a piece of research work characterized either by the discovery of facts or by a fresh approach towards interpretation of facts or theories;
- (ii) that it evinces the capacity of the candidate for critical examination and judgment;
- (iii) that it is satisfactory in terms of its literary presentation; and
- (iv) that it is suitable for publication.

(e) The candidate shall submit all three copies of the thesis at the Department and the same shall be forwarded with the endorsement of Director, CMTHS through the Dean of the School to the Registrar, who shall dispatch one copy each of the thesis, synopsis and summary of the thesis to the three examiners who have consented to evaluate the same.

14. The examiners shall examine the thesis and shall submit their reports on the prescribed form (A) along with such suggestions as they deem fit for the improvement of the thesis, and such suggestions shall be appropriately communicated to the candidate in case his/her thesis is required to be re-submitted in a revised form or is accepted for the award of the Ph. D. Degree.

15. (a) The reports of the examiners of the thesis shall first be placed before the Vice-Chancellor and in case any report is not complete and clear, the Vice-Chancellor shall return such report to the concerned Examiner to make up the deficiency.

(b) If all three examiners unanimously and unambiguously recommend that the thesis be accepted, the Vice-Chancellor shall direct that the viva voce examination of the candidate be arranged as early as possible.

(c) If two of the examiners recommend rejection of the thesis, the thesis shall stand rejected and the Vice-Chancellor shall cause the candidate to be notified accordingly.

(d) If all the three examiners recommend re-submission, or two examiners recommend re-submission and the third recommends acceptance of the thesis, the Vice-Chancellor shall direct through the Registrar that the thesis be re-submitted in a revised form not earlier than six months and not later than one year from the date of the decision and the re-submitted thesis shall be sent again to the original examiners by the Registrar.

(e) If two of the examiners recommend re-submission in a revised form and the third recommends rejection, or if one of the examiners recommends approval, the second recommends such re-submission and the third recommends rejection of the thesis, the Vice-Chancellor shall take appropriate decision in the matter with the help of the Director of CMTHS and Dean of the School of Management.

(f) If two of the examiners recommend approval and the third recommends re-submission in a revised form, or rejection, of the thesis, the thesis may be sent to the fourth examiner.

(i) If the fourth examiner recommends that the thesis be accepted, the viva voce examination of the candidate shall be arranged.

(ii) If the fourth examiner recommends re-submission of the thesis, the thesis shall be re-submitted within one year.

(g) If only one of the examiners recommends approval, and the other two examiners do not recommend approval, of the re-submitted thesis, the thesis shall stand rejected and the Board of Studies shall cause the candidate to be notified accordingly through the Registrar.

(h) The thesis required to be re-submitted, and the abstract thereof, shall be submitted in the same manner, style and language as the original thesis.

(i) Notwithstanding any provision to the contrary in this Ordinance, no candidate shall be entitled or permitted to re-submit the thesis more than once.

16. Appointment of Examiners for Viva-Voce:

(a) The Vice-Chancellor shall appoint the examiner for viva-voce examination amongst the examiners who have evaluated the thesis of the candidate. In exceptional cases the Vice-Chancellor may appoint another examiner which shall be reported to the Academic Council.

(b) The Registrar/ Controller of Examinations shall inform the Director, CMTHS through the Dean of School of Management to arrange the viva-voce examination in consultation with the supervisor.

(c) The viva voce examination shall be held by the External Examiner and the Supervisor after perusing the reports of the other examiners of the thesis. The viva voce examiners shall conduct the oral assessment of the candidate in order to ascertain to the extent to which he/she is well acquainted with the literature on the subject, evinces a good understanding of the topic of his/her research as well as originality in his/her investigations and conclusions, and has an appropriate comprehension of the broad field of his/her study, and to address other issues relevant in that regard, make a clear recommendation in their report, on the specified form.

(d) An open viva-voce test shall be held at the University headquarter in CMTHS. The viva-voce shall be arranged by the Director, CMTHS with intimation to all concerned. The candidate shall present summary of his/her thesis and the work done by him/her before an audience consisting of the one External Examiner, Supervisor, teachers, research scholars and post-graduate students of the subject. However, only the examiners will question the candidate.

(e) If the viva-voce examiner do not recommend award of Ph.D. degree, the candidate shall have to reappear at a second viva-voce test after six month within one year. If the candidate fails to satisfy the viva-voce examiner the second time, his/her thesis shall be finally rejected.

17. (a) After the completion of the successful viva-voce examination the result of the candidate shall be conveyed by the Director, CMTHS to the Controller of Examination who shall notify the result of the candidate with effect from the date of viva-voce examination. A provisional certificate of the award of the degree may be given to the candidate on his/her written request by the Controller of Examination.

(b) The report of the viva voce examiners shall first be placed before the Director, CMTHS and, in case such report is not in accordance with the form (B) specified or is not complete and clear, the Director shall refer the matter to the Vice-Chancellor through the Dean School of Management for appropriate decision

(c) where-

- (i) upon consideration of the report of the viva voce examiners, in the context of the reports of the thesis examiners, if the Director is satisfied that the thesis and the viva voce examiners have unanimously and definitely recommend the award of the degree to the candidate, he/she shall report the matter to the Vice-Chancellor for the announcement of the result by the Controller of the Examination.
- (ii) the viva voce examiners have recommended that the candidate be required to re-appear at the viva voce examination, the Director shall report the matter to the Vice-Chancellor through the Registrar. The second viva voce examination of the candidate shall be arranged after communicating the paraphrased observations of the said examiners in that regard to the candidate and to the supervisor of such candidate.

Provided further that no candidate shall be entitled or permitted to re-appear at the viva voce examination more than once.

18. (a) If a candidate is required to re-submit the thesis or re-appear at the viva voce examination, he/she shall pay such further fees before such re-submission or re-appearance as may be laid down, from time to time, by the Executive Council.

(b) The schedule of traveling and other allowances and the remuneration payable to the examiners of the thesis and the payment of sitting charges to the viva voce examiners shall be laid down, from time to time, by the Executive Council.

19. Following the successful completion of the evaluation process and announcement of the award of Ph. D., the University shall submit a soft copy of the Ph. D. thesis to the UGC within a period of thirty days, for hosting the same in INFLIBNET accessible to all Institution/Universities.

20. Along with the Degree, the University shall issue a certificate certifying to the effect that the Degree has been awarded in accordance with the provisions to the UGC (Minimum Standards and Procedure for award of Ph.D. Degree), Regulation, 2009

21. (a) The reports of the thesis and the viva voce examiners may be provided to the candidate on his/her written request to the Registrar.

(b) In the event of the publication of a thesis that has been accepted for the award of the Ph. D. degree, the candidate shall be required to state on the title page of the publication that it was a thesis approved for the Ph. D. degree of the University:

Provided that where a published book authored or co-authored by the candidate incorporates substantially the contents of a thesis that has been accepted for the award of the Ph. D. degree, the candidate shall be required to appropriately acknowledge in the book that it is based on a thesis approved for the Ph. D. degree of the University.

Credit based course structure of 6 months Pre Ph.D. course is thus structured in the following manner:

Nature Course	Name of the Course	Credits
Core	Research Methodology	4
Core	Research and Publication Ethics (RPE) and Case studies of Travel and Tourism Organisation	(2+1=3)
Elective	Sustainable tourism Planning	4
	Tourism Economic Research and Strategy Or	4
	Ecotourism Planning and management	4
	Tourism Technology and Competitive Strategies	4

Title: Research Methodology

Subject code: COR-PPHD-1

Contact Hours: 60

Work load: 04 Hours Per week

Credit Point: 04

Objectives: In this module students will understand the conceptual meaning of research methodology. Further, they can get knowledge on research design, processing & analysis of data, report writing.

Course Contents

- I. **Research Methodology:** An Introduction- Meaning and Objectives of Research; Types of Research; Research Approaches; significance of Research; Research Methods versus Methodology; Technique Involved in Defining a Problem; An Illustration; conclusion.
- II. **Research Design:** Meaning of Research Design; Need for Research Design; Features of a Good Design; Different Research Designs.
- III. **Sampling Design:** Steps in sampling Design; Criteria for Selecting a Sampling Procedure; Characteristics of a good Sample Design; different Types of Sample Designs; How to Select a Random Sample? Complex Random Sampling Designs.
- IV. **Measurement And Scaling Techniques:** Measurement in Research; Measurement Scales; Sources of Error in Measurement; Tests of Sound Measurement; Technique of Developing Measurement tools.

- V. **Methods of processing and analysis of Data:** Collection of Primary Data; Collection of Data through Questionnaires; Collection of Data through Schedules; some Other Methods of Data Collection; Processing Operations; some Problems in Processing; elements/types of Analysis; Statistics in Research; Measures of Central Tendency; Measures of dispersion; Measures of Asymmetry (Skewness); Measures of Relationship.
- VI. **Testing of Hypotheses- I** (Parametric or Standard Tests of Hypotheses): What is Hypothesis? Procedure for Hypothesis Testing; Tests of Hypotheses; Hypothesis Testing.
- VII. **Chi-square Test:** Chi-square test as a Test for Comparing Variance; Steps Involved in Applying chi-square Test;
- VIII. **Analysis of Variance and Covariance:** analysis of Variance (ANOVA): what is ANOVA? The Basis Principle of ANOVA; ANOVA Technique: setting up Analysis of Variance Table; Short-cut Method for One-way ANOVA; coding Method.
- IX. **Multivariate Analysis Techniques:** Important Multivariate Techniques; Important Methods of Factor Analysis; rotation in Factor Analysis; R-Type and Q-Type Factor Analysis, Path Analysis,
- X. **Interpretation and Report Writing:** Technique of Interpretation: Significance of Report Writing; Different Steps in Writing Report.

Selected Books and Journals:

- Johns, N., & Lee-Ross, D. (1998). Research methods in service industry management: Cassell, London
- Myers, J. H., & Tauber, E. (1997). Market structure analysis: American Marketing Association, Chicago
- Ronal A, Nykiel (2007), Handbook of Marketing Research Methodologies for Hospitality and tourism, rout ledge, Newyork.
- Ryan, C. (1995). Researching Tourist Satisfaction: Issues, concepts, problems. Routledge, Lodon:
- Silverman, D (1993). Interpreting qualitative data. Sage, London:
- Yin R.K. (1989). Case study research: Design and methods. Sage, London:

RESEARCH AND PUBLICATION ETHICS (RPE) AND CASE STUDIES OF TRAVEL AND TOURISM ORGANISATION

Subject Code: COR-PPHD-2

Contact Hours: 45

Work Load: 04 Hours Per week

Credit Points: (02+01=03)

Aims and Objective; The module is designed to understand the basics of philosophy of science and ethics, research integrity, publication ethics, to identify research misconduct and predatory publications. Indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc) and plagiarism tools

Course structure

The course comprises of six module listed in table below. Each module has 4-5 units

Modules	Unit title	Teaching hours
Theory		
RPE 01	Philosophy and Ethics	4
RPE 02	Scientific Conduct	4
RPE 03	Publication Ethics	7
Practice		
RPE 04	Open Access Publishing	4
RPE 05	Publication Misconduct	4
RPE 06	Databases and Research Metrics	7
	Total	30

Syllabus in detail

THEORY

- **RPE 01: PHILOSOPHY AND ETHICS (3 hrs)**
 1. Introduction to philosophy: definition, nature and scope, concept, branches
 2. Ethics: definition, moral philosophy, nature of moral judgments and reactions
- **RPE 02: SCIENTIFIC CONDUCT (5hrs.)**
 1. Ethics with respect to science and research.
 2. Intellectual honesty and research integrity.
 3. Scientific misconducts: Falsification , Fabrication, and plagiarism (FFP)
 4. Redundant publications: duplicate and overlapping publications, salami slicing
 5. Selective reporting and misrepresentation of data.
- **RPE 03 : PUBLICATION ETHICS (7hrs.)**
 1. Publication ethics: definition, introduction and importance.
 2. Best practices / standard setting initiatives and guidelines: COPE, WAME, etc.
 3. Conflicts of interest.
 4. Publication misconduct: definition, concept , problems that lead to unethical behaviour and vice versa, types
 5. Violation of publication ethics , authorship and contributorship.
 6. Identification of publication misconduct , complaints and appeals

7. Predatory publishers and journals.

PRACTICE

- **RPE 04: OPEN ACCESS PUBLISHING (4hrs.)**
 1. Open access publication and initiatives.
 2. SHERPA/RoMEO online resource to check publisher copyright and self archiving policies
 3. Software tool identify predatory publications developed by SPPU
 4. Journal finder / journal suggestion tools viz. JANE, Elsevier journal finder , Springer journal suggester , etc.
- **RPE 05: PUBLICATION MISCONDUCT (4hrs)**
 - A. Group discussions (2hrs.)**
 1. Subject specific ethical issues, FTP, authorship
 2. Conflicts of interest
 3. Complaints and appeals: examples and fraud from India and abroad
 - B. Software tools(2hrs)**

Use of plagiarism software like Turnitin ,Urkund and other open source software tools.
- **RPE 06: DATABASES AND RESEARCH METRICS (7hrs.)**
 - A. Databases (4hrs)**
 1. Indexing databases
 2. Citation databases :
 3. Web of science, Scopus, etc.
 - B. Research Metrics (3hrs)**
 1. Impact factor of journal as per journal citation report ,SNIP, SJR, IPP, cite score .
 2. Metrics: h- index, g index, i10 index, altmetrics.

SUSTAINABLE TOURISM PLANNING AND DEVELOPMENT

Subject Code: ELE-PPHD-I

Contact Hours: 60

Work Load: 04 Hours Per week

Credit Points: 04

Aims and objectives: To enhance understanding of participatory planning for sustainable, tourism development and regional, national and state levels, the contents will provide the necessary practical concepts, tools and approaches to develop a type of tourism that will bring benefits to the poor and ,marginalized and to conserve the breath taking beauty of natural and man-made environment across the country.

Unit: I: Concepts and Principles of Sustainable Tourism Planning and Management: Sustainable Development and Tourism, Tourism Carrying Capacity and Limits of Acceptable

Change, Pro-Poor Tourism (PPT), Components of a Tourism Plan, The Tourism Planning Process, Framework for Monitoring Sustainability of Tourism

Unit II: Participatory Planning and Multi Stakeholder Collaboration: Participatory Approaches in Sustainable Tourism Development, Multi-Stakeholder Collaboration, Multi-Stakeholder Processes in Sustainable Tourism, Lessons learned in Tourism Multi-Stakeholder Collaborations, Stakeholders in Sustainable Mountain Tourism and Balance between Public and Private - Competitiveness is Key.

Unit III: Gender and Social Inclusion and role of GIS in planning and Development:

Concepts of Gender Mainstreaming and Social Inclusion in Tourism, Mainstreaming Gender and Social Inclusion in the Tourism Project Cycle, Potential GIS Applications in Tourism Development, The Future Role of GIS in Sustainable Mountain Tourism

Unit IV: Tourism Enterprise Development and Market linkages: Enterprise Development in the Tourism Economy, Step-by-Step Guide to Sustainable Tourism Enterprise Development.

Unit V: Monitoring and Evaluation:

The Need for Monitoring and Evaluation, Definition of Monitoring and Evaluation, How to Monitor and Evaluate Tourism Projects and Programmes Evaluation in Tourism Project Cycles, Monitoring Sustainable Tourism

Unit VI: Analysis and Assessment Instruments: Analysis Process and Use of Instruments in Tourism, Analysis and Assessment Systems in Tourism Instruments for Analysis and Assessment in Tourism

Selected Books and Journals:

Australian Government (2004) *Planning a Sustainable Future for Tourism, Heritage and the Environment. A Tool to Use When Managing and Developing Regions, Places and Tourism products.* <http://www.deh.gov.au/heritage/publications/sustainable-tourism/index.html>. Canberra: Department of the Environment and Heritage

Brundtland, G. (ed) (1987) *Our Common future*, The World Commission on Environment and Development Oxford: Oxford University Press

De-Lacy, T.; Battig, M.; Moore, S.; Noakes, S. (2002) *Public Private Partnerships for Sustainable Tourism: Delivering a Sustainability Strategy for Tourism Destinations*, CRC for Sustainable Tourism. Singapore: APEC:

East, P.; Luger, K.; Inmann, K. (eds) (1998) *Sustainability in Mountain Tourism: Perspectives for the Himalayan Countries*, Book Faith India and STUDIEN Verlag Austria. Innsbruck-Vienna

Gurung, H. (1998) 'Sustainability and Development in Mountain Tourism'. In East, P; Luger K.; Inmann, I. (eds) *Sustainability in Mountain Tourism: Perspectives for the Himalayan Countries*. Book Faith India and STUDIEN Verlag Austria Innsbruck-Vienna

Kruk, E.; Banskota, K. (2007) *Mountain Tourism in Nepal: From Impacts to Sustainability*, internal document. See also <http://www.mtnforum.org/oldocs/679.pdf>.

Kruk E; Hummed, John and Banskota, K (2007) *Facilitating, Sustainable Mountain Tourism*, Vol-I, ICI MOD, Kathmandu.

McKercher, R. (2003) *Sustainable Tourism Development - Guiding Principles for Planning and Management*. Paper presented at the National Seminar on Sustainable Tourism Development, Bishkek, Kyrgystan, November 5-9, 2003

Mci\ntyre, G.; Hetherington, A.; Inskeep, E. (1993) *Sustainable Tourism Development: Guide for Local Planner*, United Nations World Tourism Organization

Madrid: Nepal, S.K. (2003) *Tourism and the Environment: Perspectives from the Nepal Himalaya*. Rimal Books and STUDIEN Verlag Lalitpur and Innsbruck:

UNWTO (2004) *Indicators of Sustainable Development for Tourism Destinations: a Guidebook*. Madrid: United Nations World Tourism Organization

TOURISM ECONOMIC RESEARCH AND STRATEGY

Subject Code: ELE-PPHD-2

Contact Hours: 60

Work Lode: 04 Hours per Week

Credit Points: 04

Aims and Objectives: The module makes a key contribution from an economic standpoint to the Understanding of tourism. Examining such issues as demand for tourism, how tourism firms operate in national and global contexts and the effects of tourism on destination areas, the module explains how economic concepts and techniques can be applied to the subject. The present theory paper presents new insights into the intricacies of tourism demand and their global interrelations and the fundamental contribution to tourism activities.

Unit I: The scope and content of the economics of tourism: The state of analysis of tourism, The content and scope of the economics of tourism, The economic profile and characteristics of the tourism sectors, The transport sector, The accommodation sector, The itinerary sector, Tourism attractions.

Unit II: Microeconomic foundations of Tourism Demand: The single equation approach to estimating tourism demand, The systems of equations models of tourism demand, forecasting tourism demand, The characteristics framework revisited and Microeconomic foundations of tourism supply, The industrial economics background, The structure-conduct-performance (SCP) paradigm, Game theory and tourism.

Unit III: Tourism in a national and regional context: Introduction, The size of the tourism sector, the economic impact of tourism, growth, Tourism and economics transformation,

Globalization and transnational corporations in tourism, Strategic tourism policy, protectionism and GATS.

Unit IV: Global environmental issues and tourism: Global environmental issues, Tourism and global environmental challenges, Solutions to global environmental problems, The environmental implications of international tourism, Global environmental issues, Tourism development and cost-benefit analysis, Market valuation of resources and market failure, Resources use and conservation, Tourism and the use of non-renewable and renewable resources, Case studies of tourism's performance in the use of renewable resources.

Unit V: Valuation of resources and environmental policy instruments: The valuation of resources, The total economic value of resources, Valuation methods, Other methods of valuation, A concluding overview of the application to tourism of the main methods of valuing non-priced resources, Achieving environmental targets: policy instruments, Price-based instruments, Environmental policy instruments in the context of tourism, an overall appraisal of the application of environmental economics to tourism.

Selected Books & Journals:

- Archer, R.H. (1973) *The Impact of Domestic Tourism*, Occasional Papers in Economics, no.2, Bangor: University of Wales Press.
- (1976) *Demand Forecasting in Tourism*, Occasional Papers in Economics, no.9, Bangor: University of Wales Press
- (1977a) *Tourism Multipliers: The state of Art*, Occasional Papers in Economics, no.11, Bangor: University of Wales Press
- Blake, A.T, Durbarry, R, Sinclair, M.T. and Sugiyarto, G(2000) *Modelling Tourism and Travel using tourism Satellite Account and Tourism Policy and Forecasting Models*, Tourism and Travel Research Institute Discussion Paper, 2001/4, Nottingham University Business School.
- Bull, A.(1999) 2nd edn, *The Economics of Travel and Tourism*, Melbourne: Addison Wesley Longman.
- Chapman, D. (1999) *Environmental Economics: Theory, Application and policy*, Harlow: Addison Wesley.
- Clawson, M. and Knetsch, J.L. (1966) *Economics of Outdoor Recreation*, Baltimore: Johns Hopkins University Press.
- Common, M. and Stagl, S. (2005) *Ecological Economics: An Introduction*, Cambridge: Cambridge University Press.
- Koller, P. and Keller, K. (2008) *Marketing Management*, Harlow: Pearson Education
- Mike J. Stabler et.al.(2010), *The Economics of Tourism*, Routledge New York.
- Deaton, A.S. (1992) *Understanding Consumption*, Oxford: Clarendon Press

ECOTOURISM PLANNING AND MANAGEMENT

Subject code: ELE-PPHD-3

contact Hours: 60

Work Load: 04 Hours Per week

Credit Points: 04

Objectives: To evaluate the diversity of ecotourism attractions and explain the challenges associated with the concept of sustainability. Further critically analyse the size and growth rate of ecotourism market and assess the potential of modified environments. The modules shall also describe strategies that can be implemented to minimize the ecological costs and maximize the ecological benefits of ecotourism to local people and identify the factors that community based ecotourism projects will be successful in generating benefits

Unit-I: Principles and types of Ecotourism: Environmentally and culturally educational, sustainable managed, Ecotourism principles and Guidelines, An alternative to mass tourism, types of ecotourism, Trends affecting ecotourism, Inventories of Attractions and Resources.

Unit-II: Ecotourism Development: International, community and Site Perspectives: Development theory, Core-periphery Concept, Community Development, Partnership, Aboriginal Interests, Site Development, sustainable Design and Eco lodges, Ecologies Research.

Unit-III: The Economics, Marketing and Management of Ecotourism: the Economics of Ecotourism, Marketing, Marketing characteristics, Trip characteristics, Purpose, Satisfaction and Motivation, Management Issues in Ecotourism, A Paradigm Shift, Green Consumers and Traveller, Eco tourist Market, Size of the Eco tourist Market.

Unit-IV: Form Policy to Professionalism: Ecotourism and Policy, Policy Implementation Framework, Australian National Ecotourism Strategy Objectives, Ecotourism in Brazil, Agents and Operators, professionalism, Accreditation and Certification, Guiding, Interpretation.

Unit-V: The role of Ethics in Ecotourism: Ethics and Ecotourism, characteristic of Resource protection and Development, Example of an Antarctica code of Ethics Guidelines, Ethical Orientations: A comparison Special Ethical Considerations of Tourism, A Method of Ethical Triangulation.

Unit-VI: The Social and ecological Impacts of tourism: Economic benefits, Economic costs, Sociocultural impact, community-based ecotourism, Social Impacts of Ecotourism. Impacts of Ecotourism.

Selected Book and Journals.

Beeton, S 2006, Community Development through tourism, CSIRO Publishing, Blamey, RK 1997, 'Ecotourism: The search for an operational definition', Journal of sustainable Tourism 5: 109-30.

-2001, 'Principles of ecotourism', in DB weaver (ed.), Encyclopaedia of Ecotourism, CABI, Wallingford, UK, pp.5-22

Weaver, David 2008, Ecotourism, Johan Wiley & sons Australia Ltd.

Duffy, R 2002, A Trip too Far: Ecotourism, Politics and Exploitations, Earth scan, London.

Pages, S & Dowling, R 2002, Ecotourism, Pearson Education, London.

Patterson, C 2001, The Business of Ecotourism: The Complete Guide for Nature and Culture-Based Tourism Operations, 2nd end, Explorer's guide Publishing, Rhinelander, WI.

Thompson, P (1995) 'The errant e-word: putting ecotourism back on track' Explore, 73:67-72

TIA 2003, Geotourism the New Trend in Travel, Travel Industry Association of America, Washington DC.

TOURISM TECHNOLOGY AND COMPETITIVE STRATEGIES

Subject code: ELE-PPHD-4
Work Load: 04 Hours Per week

Contact Hours: 60
Credit Points: 04

Unit-I: global Transformation and tourism: New tourism Defined, Emergence of a New tourism, the Implications of New tourism, The end of Mass Tourism?, New Consumers, New Technologies, New Production Practices, New Management Techniques, New Frame Conditions.

Unit-II: New Consumers: The new tourists, More Experienced Travellers, Changed Values, changed Lifestyles, Changing Demographics, More flexible consumers, More Independent Consumers, Old and New Tourism at work, Old and New tourists compared, New tourists in developing countries like India.

Unit-III: Technology Changes tourism: An Information-intensive Industry, A System of Information Technology, Adoption is system-wide, Rapid Diffusion of Technology, Technology Impacts in tourism, Increased Efficiency, Improved Quality, New Services , Flexible Holidays, The tourism Production system (TPS), Technology in Production, Airline CRSs, Technology in Travel Agencies, Technology in tour Operations, Technology in Hotels.

Unit-IV: competitive scenario And Strategies For Industry Players: The tourism system, the Industry Value Chain, New tourism changes the Value Chain, Diagonal Integration, Strategic Responses for Industry Players, competitive Strategies, Put consumers first, Be a Leader in Quality, Develop Radical Innovations, Strengthen Your Strategic Position.

Unit-V: Strategies For tourism Destinations: Tourism- Blessing or Blight? competitive Strategies are Necessary, Make Tourism a Lead Sector, Strengthen Marketing and distribution Channels, Build a Dynamic Private Sector.

Selected Books and Journals:

- Bressand, A. and Nicolaidis, K. (eds) (1989) *Strategic Trends In Services: An Inquiry into the Global Service Economy*. Harper and Row, New York.
- Copper, C. and kaplinsky, R. (1989) *Technology and Development in the Third Industrial Revolution*. Frank Cass and Co. Ltd., London.
- Krippendorf, J. (1986) Tourism in the System of Industrial Society. *Annals of Tourism Research*. 13(4),393-314.
- Krippendorf, J. (1987) *The Holidaymakers: Understanding the Impacts of Leisure and Travel*. Heinemann, London.
- Olsen, M.D. (1991) *Strategic Management in the Hospitality Industry: A Literature Review*. Belhaven Press, London.
- Poon, Auliana (1993) *Tourism, Technology and Competitive Strategies*, CAB International, New York.
- Shelp, R.K. et al. (1984) *Services Industries and Economic Development. Cast Studies in Technology Transfer*. Praeger Special Studies, New York.