

- uniformity in unit -
common paper for Ph.D.

M.S. Geog
- 25% Geoinformatics
- balance Human & Phys
- introduce specializations in fields.



CENTRAL UNIVERSITY OF KARNATAKA

School of Earth Sciences
Department of Geography

Agenda Items and Notes for the Meeting of the Board of Studies
6th October 2017

Item No. 1

Confirmation of the Minutes of the Meeting of BoS held by circulation mode on 15.11.16

The meeting of Board of Studies was held on 15.11.2016 by circulation mode. The members conveyed their comments and approval for the items proposed and hence the Minutes may be confirmed as such. *agreed*

Item No. 2

Consideration of the change in the nomenclature of the M.Sc. programme

The Department offers two-years stand-alone M.Sc. programme in Applied Geography and Geo-informatics. This is apart from the five year integrated B.Sc. / M.Sc. programme offered as IMSc. Geography. The need for standardizing the differing nomenclatures is felt especially when one batch of integrated programme students are to be awarded M.Sc. in Geography and direct entrants at PG level are to be awarded M.Sc. (Applied Geography and Geo-informatics). Further, the syllabus for the two - year M.Sc. component of the integrated programme and of the stand-alone M.Sc. programme is the same. *agreed*

Hence it is proposed that the M.Sc. programme being offered as Applied Geography and Geo-informatics may be re-named as M.Sc. Geography. This is in the best interests of uniformity and to avoid complications in the future.

Item No. 3

Approval of the syllabus for the taught course component for Ph.D.

In accordance with the latest UGC Regulations, course work is mandatory for the first semester of the Ph.D. programme. Accordingly, the Department is offering three papers. While two of these papers are offered as per the UGC regulations (Research Methodology theory and a paper on Quantitative Techniques), a third optional paper has to be offered based on specialization of faculty concerned.

In this connection, it is to inform that the matter of the proposed syllabus and titles was discussed and resolved by the BoS in its earlier meeting held on 19.02.2016 wherein it was resolved that the coursework will be for 14 credits as per the details below:

Course Code	Subject Name	Credits
PHDGEOG101	Research Methodology in Geography	04
PHDGEOG102	Quantitative Methods	04
PHDGEOG 103	Demography / Urban Studies / Development Studies	04
PHDGEOG LAB 104	Remote Sensing and GIS / Statistical Packages	02
Total Credits		14

Based on this, the following syllabus has been framed which is appended herewith for consideration and approval.

Further, the UGC Ph.D. Regulations (2016) prescribe course work to be between 8 – 16 credits. The Department has initiated the programme from July 2017 by offering the three theory papers (101 – 103). The lab paper has not been offered given paucity of staff in mid-semester and also the fact that the UGC Regulations on credits offered is being satisfied.

Given these circumstances, the matter is brought to the notice of the BoS for its concurrence as a special time measure for this semester.

Any other matter with the permission of the Chair

Sd/-
Head – Department of Geography

CENTRAL UNIVERSITY OF KARNATAKA
Proposed Syllabus for Ph.D. Course Work

PHDGEOG-101 – RESEARCH METHODOLOGY

Unit-I

Objectives and types of research: Motivation and objectives – Research methods vs Methodology. Types of research – Descriptive vs. Analytical, Applied vs. Fundamental, Quantitative vs. Qualitative, Conceptual vs. Empirical.

Unit-II

Research Formulation – Defining and formulating the research problem - Selecting the problem - Necessity of defining the problem - Importance of literature review in defining a problem – Literature review – Primary and secondary sources – reviews, treatise, monographs-patents – web as a source – searching the web - Critical literature review – Identifying gap areas from literature review - Development of working hypothesis.

Unit-III

Research design and methods – Research design – Basic Principles- Need of research design — Features of good design – Important concepts relating to research design – Observation and Facts, Laws and Theories, Prediction and explanation, Induction, Deduction, Development of Models. Developing a research plan - Exploration, Description, Diagnosis, Experimentation.

Unit-IV

Reporting and thesis writing – Layout, structure and Language – Illustrations and tables - Bibliography, referencing and footnotes - Application of results and ethics - Environmental impacts - Ethical issues - ethical committees – Plagiarism - Citation and acknowledgement - Reproducibility and accountability.

REFERENCES

1. Garg, B.L., Karadia, R., Agarwal, F. and Agarwal, U.K., 2002. An introduction to Research Methodology, RBSA Publishers.
2. Kothari, C.R., 1990. Research Methodology: Methods and Techniques. New Age International. 418p.
3. Sinha, S.C. and Dhiman, A.K., 2002. Research Methodology, Ess Ess Publications. 2 volumes.
4. Trochim, W.M.K., 2005. Research Methods: the concise knowledge base, Atomic Dog Publishing. 270p.
5. Wadehra, B.L. 2000. Law relating to patents, trademarks, copyright designs and geographical indications. Universal Law Publishing.

PHDGEOG-102 Quantitative Methods

Unit I Fundamentals: Exploratory and Confirmatory Approaches in Geography; Descriptive and Inferential Methods. Data types and scales. Basic statistical analysis; Frequency Distribution; Measures of Central Tendency, Measures of Dispersion; Skewness and Kurtosis, Normal distribution curve, level of significance, Hypothesis testing, chi square test, t-test

Unit II Data collection tools: Interview and Questionnaire Methods, structured questionnaire, semi-structured and non-structured. Sampling techniques: sampling unit, sampling frame. Sample selection: Simple random sampling, stratified random sampling, Purposive sampling. Sampling and Non sampling Error, Sample Size and Non-response.

Unit III Statistical Software: SPSS and STATA : Data Entry, Storing and Retrieving Data Files, Data File Handling, Generating New Variables, Running Statistical Procedures, Constructing Graphical Displays, Output Viewer. Data analysis: bi variate, univariate, Regression and correlation. CS Pro 7 data entry software

Recommended Readings :

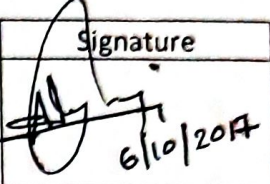

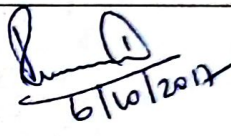
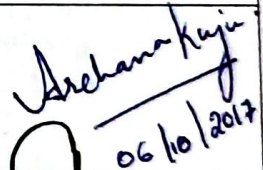
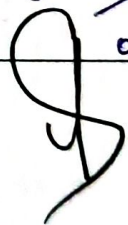
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4. Gupta, S.P. : Statistical Methods, Sultan Chand and Sons, Latest Edition.
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6. Pal, S.K. (1998) Statistics for Geoscientists; Techniques and Applications, Concept Publishing Company, New Delhi.
7. Peter, J. Taylor (1977), Quantitative Methods in Geography, Houghton Mifflin Company, Boston.
8. Robert Hammond and Patrick Mc. Cullagh (1974), Quantitative Methods in Geography, Clarendon Press, Oxford.
9. Yeates, Mauris (1974), An Introduction to Quantitative Analysis in Human Geography, McGraw Hill , New York.

BOS-Department of Geography

School of Earth Sciences

06 October 2017

Attendance Sheet

S.NO	Name	Address	Signature
1	Prof. Ashok Hanjagi	Chairman, Department of Geography, Bangalore University External Member	 6/10/2017
2	Prof. M. A. Mohammed Aslam	Dean, School of Earth Sciences, Central University of Karnataka Member	
3	Prof. Veena Joshi	Pune University Member	- ABSENT -
4	Dr. Priya Narayanan	Assistant Advisor-NAAC Special Invitee	 6/10/2017
5	Dr. M. Lingadevaru	Assistant Professor, Department of Geology, Central University of Karnataka Member	- ABSENT -
6	Dr. Archana Kujur	Assistant Professor, Department of Geography, Central University of Karnataka Member	 06/10/2017
7	Prof. Ali Raza Moosvi	Head, Department of Geography Central University of Karnataka Chairman	

CENTRAL UNIVERSITY OF KARNATAKA

School of Earth Sciences
Department of Geography

MINUTES OF THE MEETING OF THE BOARD OF STUDIES
Held on 6th October 2017

A meeting of the Board of Studies (BoS), of the department of Geography was held on 6th October 2017 at the Department, University Campus. The following members were present:

1. Prof. Ali Raza Moosvi
Head-Dept. of Geography Chairman
2. Prof. Ashok Hanjagi,
Chairman, Dept. of Geography, Bangalore University External Member
3. Prof. M.A. Aslam,
Dean, SES and Head, Dept. of Geology Member
4. Dr. Archana Kujur,
Asst. Professor, Department of Geography Member
5. Dr. Priya Narayanan, Asst. Advisor, NAAC Invited expert

Prof. Veena Joshi, Department Of Geography, Pune University (External Member), Prof. Sulochana Shekar (Dept. of Geography, CUTN) and Dr. M. Lingadevuru, Asst. Professor, Dept. of Geology (Member) could not attend the meeting and were granted leave of absence.

The Chairman initiated the proceedings by welcoming and thanking the members present, especilaly the external member, Prof. Hanjagi and Dr. Narayanan, for making it possible to attend the meeting. He informed the BoS that Prof. Sulochana Shekar and Dr. Priya Narayana were invited as external experts as provided for in Section 1(f) of Ordinance 15 Governing Board of Studies. This was done as both were members of faculty of the Department till about two months ago and had discharged the duties of Dean and Head / Coordinator. The need was felt to involve them in the meeting in the best interests of continuity and for clarifying on matters of further progress of the Department.

Following this, the Agenda was taken up for discussion.

Item No.1

Confirmation of the Minutes of the Meeting of BoS held by circulation mode on 15.11.16

The BoS confirmed the Minutes of the said meeting.

Item No.2

Consideration of the change in the nomenclature of the M.Sc. programme

The Chairman informed that the the Department offers two-years stand-alone M.Sc. programme in Applied Geography and Geo-informatics. This is apart

from the five year integrated B.Sc. / M.Sc. programme offered as IMSc. Geography. The need for standardizing the differing nomenclatures is felt especially when one batch of integrated programme students are to be awarded M.Sc. in Geography and direct entrants at PG level are to be awarded M.Sc. (Applied Geography and Geo-informatics). Further, the syllabus for the two – year M.Sc. component of the integrated programme and of the stand-alone M.Sc. programme is the same. This incongruity has to be corrected in the best interests of uniformity and to avoid complications in the future.

Agreeing to this in principle, Prof. Ashok Hanjagi made the point that Geoinformatics is an essential tool in Geography today and it goes without saying that a graduate of Geography would be trained in this field. Further, the existing syllabus had a strong component of Geoinformatics and the Department may consider spreading out the existing syllabus more proportionately so as to include more and in-depth components of other parts of the subject too. Geoinformatics may comprise about 25% of the syllabus as a guiding principle.

The BoS had a detailed deliberation on the matter and unanimously resolved that the stand-alone M.Sc. programme on offer entitled M.Sc. (Applied Geography and Geoinformatics) may be renamed as M.Sc. (Geography) from the next academic year. It was also resolved that another meeting of BoS may be convened shortly to finalize the syllabus. This could be done after a draft syllabus is proposed through circulation by inputs from the other members.

Item No. 3

Approval of the syllabus for the taught course component for Ph.D.

The Chairman informed that in accordance with the latest UGC Regulations, course work of 8 – 16 credits is mandatory for the first semester of the Ph.D. programme. Accordingly, the Department is offering three papers. While two of these papers are offered as per the UGC regulations (Research Methodology theory and a paper on Quantitative Techniques), a third optional paper has to be offered based on specialization of faculty concerned.

While this was agreed upon and approved by the BoS in an earlier meeting, the detailed syllabus of these papers for consideration and approval was put before the BoS in this meeting. Instruction in these papers has been initiated this semester in anticipation of approval.

After a detailed discussion, the BoS unanimously approved the existing syllabus and proposed some changes mainly in standardizing the structure as per the credit load and proposing changes in nomenclature to some components and the same is annexed herewith. This will be applicable from the current semester with immediate effect and it is as per the UGC norms of credit load.

Specifically, the changes proposed in paper titles are as below:

Existing	Resolved by BoS	Credits	
		Existing	Resolved
Research Methodology in Geography	Research Methodology	04	04
Quantitative Methods in Geography	Quantitate Methods	04	04
Demography / Urban / Development Studies	No Change	04	04
Remote Sensing and GIS / Statistical Packages	Withdrawn. Statistical packages part to be included in Quantitative Methods in Geography paper.	04	Discontinued

Prof. Aslam made the point that since Research Methodology paper as well as Quantitative Methods Paper are common, these papers may have a common syllabus at School level, for both Geography as well as Geology students. This will help in uniform timetable and work-load sharing. This suggestion was approved by the BoS.

The meeting ended with a vote of thanks.

Chairman

ANNEXURE

Syllabus for Ph.D. taught courses

PHDGEOG-101 - RESEARCH METHODOLOGY

- Unit-I** **Objectives and types of research:** Motivation and objectives - Research methods vs Methodology. Types of research - Descriptive vs. Analytical, Applied vs. Fundamental, Quantitative vs. Qualitative, Conceptual vs. Empirical
- Unit-II** **Research Formulation and Data Sources:** Defining and formulating the research problem Selecting the problem - Necessity of defining the problem - Importance of literature review in defining a problem - Literature review - Primary and secondary sources - reviews, treatise, monographs-patents - web as a source - searching the web - Critical literature review - Identifying gap areas from literature review - Development of working hypothesis
- Unit-III** **Research design and sampling methods -** Research design - Basic Principles- Need of research design -- Features of good

design – Important concepts relating to research design – Observation and Facts, Laws and Theories, Prediction and explanation, Induction, Deduction, Development of Models. Developing a research plan - Exploration, Description, Diagnosis, Experimentation

Unit-IV **Reporting and thesis writing:** Component of thesis-Layout, structure and Language – Illustrations and tables - Bibliography, referencing and footnotes - Application of results and ethics - Environmental impacts - Ethical issues - ethical committees - Plagiarism - Citation and acknowledgement - Reproducibility and accountability.

REFERENCES

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PHDGEOG-102 Quantitative Methods

Unit I Fundamentals: Descriptive and Inductive statistics. Concept of variables, Nominal, Ordinal and Interval scale variables. Tabulation of data, conversion of raw data into frequency distribution, graphical presentation of nominal, ordinal data; Measures of Central Tendency: Mean (arithmetic, geometric, harmonic) Median, Mode Measures of Dispersion: Range, Variance, Standard Deviation; Skewness and Kurtosis

Unit II Data collection tools: Interview and Questionnaire Methods, structured questionnaire, semi-structured and non-structured. Sampling techniques: sampling unit, sampling frame. Sample selection: Simple random sampling, stratified random sampling, Purposive sampling. Sampling and Non sampling Error, Sample Size and Non-response. Data entry through Cs Pro software.

Unit III Introduction to SPSS-facilities, creating database structure, data entry, specifying scales, validation of data entry, importing and exporting data. Data Manipulation – recoding creating new variable, sorting, filtering and selection of specific data, generating simple

frequencies, use of syntax editor. Large scale data handling – (using NFHS, DLHS-RCH, NSSO, IHDS) Merging, splitting data and formatting.

Unit IV Data Analysis using SPSS: Univariate and Bivariate analysis. Correlation and regression analysis. Multivariate analysis: logistic regression, ANOVA – concepts and interpretation of results of multiple regression, logistic regression. Parametric and Non parametric tests.

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The meeting ended with a vote of thanks.


Chairman/HEAD
 विभागाध्यक्ष
 भूगोल विभाग
 Department of Geography
 कर्नाटक केन्द्रीय विश्वविद्यालय
 Central University of Karnataka
 कडागञ्जी, कलबुर्गी / Kadaganchi, Kalaburagi

CENTRAL UNIVERSITY OF KARNATAKA

School of Earth Sciences
Department of Geography

Minutes of the Meeting of the Board of Studies
Held on 6th April 2021 In online mode

The following members attended the meeting

Prof. Ali Raza Moosvi Head – Department of Geography Central University of Karnataka	Chairperson
Prof. R.B. Bhagat Professor and Head Department of Migration and Urban Studies International Institute for Population Sciences	Member
Prof. Asima Nusrath Professor – Department of Geography University of Mysore	Member
Prof. R. Jaganathan Head - Department of Applied Geography University of Madras	Special Invitee
Dr. B. Mahalingam, Assistant Professor Department of Geography - CUK	Member
Dr. K Channabasappa Assistant Professor Department of Geology - CUK	Member

Dr. Mohammad Aleem Pasha, Assistant Professor, Department of Geology could not attend due to prior commitment and was granted leave of absence.

Prof. M.A. Asalm, Head, Department of Geology (CUK), Dr. Archana Kujur and Dr. Sanjit Sarkar, Assistant Professors in the Department of Geography, CUK attended the meeting on the invitation of the Chairperson.

The Chairperson welcome all members and thanked them for attending the meeting. The Agenda was taken up for discussion.

Item No.1

Confirmation of the Minutes of the Meeting of the Board of Studies held on 06.10.2017

The Minutes of the last meeting were approved.

Item No. 2
Action taken report of the Minutes of the last meeting
The Action Taken report was noted.

Item No.3
Adopting Course codes for all papers offered by the Department
The Chairperson briefed the members on the background of the paper-coding process. While approving the same, the members observed that there was some overlap in the courses which can be attended to. Further, the codes could be made more comprehensive and illustrative for the UG and the PG courses so that uniformity can be achieved and repetitiveness avoided.

The suggestions are noted for suitable action.

Item No.4
Adopting Learning Outcome based approach to education (OBE) in all courses offered by the Department

The members went through the document prepared appreciated the beginning made in this exercise. The Chairperson informed that the process has just begun and OBE is being framed for all papers. The same will be placed before the BoS for its inputs and suggestions upon completion.

Item No. 5
Nomenclature of the degree programmes offered by the Department
The Chairperson informed the members about the background and that the discussion for arriving at a standardized nomenclature for the undergraduate and post-graduate programmes being offered by the Department had been initiated in the last meeting of the BoS.

After a detailed discussion on the matter, it was unanimously resolved that the B.Sc. (Geography) programme will be renamed as B.Sc. (Geography and Geoinformatics) and M.Sc (Applied Geography and Geoinformatics) programme will be renamed as M.Sc. (Geography and Geoinformatics), Further, the IMSc programme will be shown as IMSc (Integrated B.Sc. and M.Sc) for clarity.

Item No. 6
Changes proposed in Scheme of the IMSc. and M.Sc. programmes

The Chairperson initiated the discussion that the need was felt to totally revamp and restructure the existing IMSc (B.Sc) and M.Sc. programme structure. This was necessitated to correct some anomalies in the structure wherein a certain graded approach to both theory and applications in the field has to be adopted.

The vision of the Department is to create competence and ability of the students by offering a healthy and balanced blend of both the core theoretical and the practical applications in Geography and maintaining the course content to be updated and modern. This exercise is being attempted on a holistic scale.

The members had a detailed and thorough discussion and many inputs were received from all the members which has added a lot of clarity and rationale to the entire

structure. The approved structure is presented below along with the suggestions received. Detailed syllabi for each of the papers will be prepared and placed before the BoS in due course of time.

Specifically, the following notable inputs were received from the members in this context and also in the overall context of the Department;

Prof. Bhagat made the point that over time, a specialty should emerge in a field from the Department. The syllabus should be balanced so as to cover both the theoretical and practical aspects at every stage in B.Sc. and M.Sc.

Prof. Asima Nusrath observed that instead of Cartography, the Department should offer Thematic Cartography which is more up to date and relevant.

Prof. Jagannathan made the observation that the Department could consider introducing a paper entitled "GIS Project Planning and Management" and shared the syllabus for the same. Further, emerging areas like 'Geography of crime' could be considered for introduction.

Prof. M.A, Aslam said that the credit requirement of B.Sc. may need to be reworked so that the credit is at 148 as per University norms.

Revised MSc. Course structure		
SEMESTER I		
	Semester 1 As proposed	Amended
	Physical Geography 1 - Geomorphology	-
	Physical Geography 2 - Oceanography	Oceanography and Hydrology
	Physical Geography practical – 1 (scale, map projection,)	-
	Geography of Tourism	Generic Electives
	Cultural Geography	
	Climate change: Vulnerability and Adaptation	
	Language	
	Environmental Science	
SEMESTER 2		
	Physical Geography 3 - Climatology	Climatology and Oceanography suggested here if not feasible above
	Environmental Geography	
	Physical Geography practical – 2 (cartography and surveying)	Consider adding thematic cartography
	Industrial geography	Generic Electives
	Rural Development	
	Geography of Hazard	Geography of Disaster
	Language	
	Environmental Science	
SEMESTER 3		
	Human Geography 1 – Geographical thought	

	Human Geography 2 – Economic Geography	
	Agricultural Geography	
	Political Geography	
	Regional Development	
	Urban Geography	

Semester 4		
	Social Geography	-
	Settlement Geography	-
	Geography of India	-
	Quantitative techniques in Geography	-
	Sustainable Development	
	Migration Studies	

Semester 5		
	Human Geography practical	-
	Human Geography 3 – Population Geography	-
	Basics of Remote Sensing	-
	Semester – 5 (contd.) As proposed	Amended
	Regional Planning and Development	-
	Remote Sensing Practical	-

Semester 6		
	Basics of GIS	
	Practical GIS	
	Geography of Health and wellbeing	
	Dissertation	

Revised MSc. Course structure

Semester 1		
	The Physical Landscape 1 - Geomorphology	
	Basics of GIS and GNSS	See below
	Principles of Remote sensing	-
	Practical GIS and GNSS	Merge with basics of GIS and GNSS
	Practical Basics of Image processing and Photogrammetry	-
	Basics of Geo-informatics	-

Semester 2		
	Basics of Demography	
	Settlement and Urban Geography	
	Spatial analysis	
	Practical - Advanced Spatial Analysis	May be deleted. Consider adding Urban Planning
	Basic computer programming	
	Applications of Geo-informatics	

Semester 3		
	Advanced RS and GIS techniques	Core Practical
	Advanced computer programming	May be deleted. Consider adding GIS Project Planning and Management.
	The Physical Landscape 2 – Climatology, Hydrology and Oceanography	Core Theory
	The Human Landscape	Geographical Thought

	Research Methodology	
	Quantitative Techniques	
Semester 4		
Dissertation		
<p>Students are encouraged to apply to government / private organizations and institutions for internship of about 16 weeks. This is to train and orient them for developing on-site skills and training and also to make them employment-ready.</p>		

The Chairperson thanked all the members, especially the external members, who have spent time and taken the trouble to participate in a positive and contributory way for the betterment of the Department.

**Chairperson and
Head – Department of Geography**

विभागाध्यक्ष / HEAD
भूगोल विभाग

Department of Geography
कर्नाटक केन्द्रीय विश्वविद्यालय
Central University of Karnataka
बदरगुडी, Kalaganchi, Kalaburagi



CENTRAL UNIVERSITY OF KARNATAKA

CENTRAL UNIVERSITY OF KARNATAKA

School of Earth Sciences
Department of Geography

**Agenda Items and Notes for the
Meeting of the Board of Studies**

11.30 am on 06.04.21 in online mode

Item No.1**Confirmation of the Minutes of the Meeting of the Board of Studies held on 06.10.2017**

A meeting of the Board of Studies was held on 06.10.2017 at the Department of Geography, Central University of Karnataka campus, Kalburgi. The Minutes of the said meeting were circulated to the members for comments/suggestions. The members have approved the said Minutes and hence the same may be confirmed.

The same are placed as Annexure I.

Item No. 2**Action taken report of the Minutes of the last meeting**

The Action Taken Report is as under:

Item	Action Taken
Item No.1 Confirmation of the Minutes of the Meeting of BoS held by circulation mode on 15.11.16	Confirmed.
Item No.2 Consideration of the change in the nomenclature of the M.Sc. programme	The matter has been deferred by the HoD after further consideration and is being presented in this meeting.
Item No. 3 Approval of the syllabus for the taught course component for Ph.D.	Implemented.

Item No.3**Adopting Course codes for all papers offered by the Department**

The IQAC of the University has engaged in an exhaustive and participative exercise to develop and allot course codes to all papers being offered by the various departments of the university. This is a step towards creating and maintaining all data on the SAMARTH portal and in keeping with the Ministry's directive of transferring to an online e-governance system.

The course codes developed and adopted are placed before the BoS for its information. (Annexure II)

Item No. 5***Nomenclature of the degree programmes offered by the Department***

The Department of Geography offers a five-year integrated programme called (IMSc Geography). Apart from this, there is a two-years stand-alone M.Sc. programme called Applied Geography and Geo-informatics.

Admission to the M.Sc. programme is by two streams

1. Those students who are in the Integrated IMSc programme who have a CGPA of 6 or above are offered direct admission.
2. In case any seats are left vacant, then admission is through an All-India entrance test conducted by the University.

An incongruity has emerged with this arrangement. Students take admission at the undergraduate level in a course called IMSc (Geography) and are awarded a Bachelor's degree in this and a master's degree in M.Sc. Applied Geography and Geoinformatics. This is causing confusion for other examining and recruiting bodies and clarifications have to be issued many times. Further the word "Applied" is creating technical difficulties in many states as far as deciding eligibility and equivalence of our students is concerned.

Therefore, and in the best interests of the students as well as of the Department, it is proposed that the undergraduate and post-graduate programmes may be titled IMSc. Geography and Geo-informatics and M.Sc. Geography and Geoinformatics.

Item No. 6***Changes proposed in Scheme of the IMSc. and M.Sc. programmes***

Following the proposed changes above, the entire scheme of the two programmes has been rationalized so as to create a seamless and structured semester-wise paper assignment. The same is proposed at Annexure IV.

The matter is placed for consideration and approval. Detailed course-wise syllabus will be prepared and placed before the BoS for its consideration and approval in due course of time.

Any other matter with the permission of the Chair.



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Agreeing to this in principle, Prof. Ashok Hanjagi made the point that Geoinformatics is an essential tool in Geography today and it goes without saying that a graduate of Geography would be trained in this field. Further, the existing syllabus had a strong component of Geoinformatics and the Department may consider spreading out the existing syllabus more proportionately so as to include more and in-depth components of other parts of the subject too. Geoinformatics may comprise upto 40% of the syllabus as a guiding principle.

The BoS had a detailed deliberation on the matter and unanimously resolved that the stand-alone M.Sc. programme on offer entitled M.Sc. (Applied Geography and Geoinformatics) may be renamed as M.Sc. (Geography) from the next academic year. It was also resolved that another meeting of BoS may be convened shortly to finalize the syllabus. This could be done after a draft syllabus is proposed through circulation by inputs from the other members.

Item No. 3

Approval of the syllabus for the taught course component for Ph.D.

The Chairman informed that in accordance with the latest UGC Regulations, course work of 8 – 16 credits is mandatory for the first semester of the Ph.D. programme. Accordingly, the Department is offering three papers. While two of these papers are offered as per the UGC regulations (Research Methodology theory and a paper on Quantitative Techniques), a third optional paper has to be offered based on specialization of faculty concerned.

While this was agreed upon and approved by the BoS in an earlier meeting, the detailed syllabus of these papers for consideration and approval was put before the BoS in this meeting. Instruction in these papers has been initiated this semester in anticipation of approval.

After a detailed discussion, the BoS unanimously approved the existing syllabus and proposed some changes mainly in standardizing the structure as per the credit load and proposing changes in nomenclature to some components. This will be applicable from the current semester with immediate effect and it is as per the UGC norms of credit load.

Specifically, the changes proposed in paper titles are as below:

Existing	Resolved by BoS	Credits	
		Existing	Resolved
Research Methodology in Geography	Research Methodology	04	04
Quantitative Methods	Quantitate Methods	04	04
Demography / Urban / Development Studies	No Change	04	04
Remote Sensing and GIS / Statistical Packages	Withdrawn. Statistical packages part to be included in Quantitative Methods in Geography paper.	04	Discontinued

CENTRAL UNIVERSITY OF KARNATAKA

School of Earth Sciences
Department of Geography

Minutes of the Meeting of the Board of Studies
Held on 19th July 2022 in online mode

The following members attended the meeting

Dr. Archana Kujur <i>Coordiantor – Department of Geography Central University of Karnataka</i>	Chairperson
Prof. R. Jaganathan <i>Head - Department of Applied Geography University of Madras</i>	Member
Prof. K C Das <i>Professor and Head Department of Migration and Urban Studies International Institute for Population Sciences</i>	Member
Prof. M A Mohammad Aslam <i>Professor, Dean and Head Department of Geology Central University of Karnataka.</i>	Member
Prof. Ali Raza Moosvi <i>Professor Department of Geography-CUK</i>	Special Invitee
Dr. Sanjit Sarkar <i>Assistant Professor Department of Geography - CUK</i>	Member
Dr. Tejaswi Lakkundi <i>Assistant Professor Department of Geology - CUK</i>	Member

Dr. B Mahalingam, Assistant Professors in the Department of Geography, CUK attended the meeting on the invitation of the Chairperson.

The Chairperson welcome all members and thanked them for attending the meeting. The Agenda was taken up for discussion.

Item No.1**Confirmation of the Minutes of the Meeting of the Board of Studies held on 06.04.2022**

The Minutes of the last meeting were approved.

Item No. 2**Action taken report of the Minutes of the last meeting**

The Action Taken report was noted.

Item No.3**The detailed syllabus of the Master's programme**

The detailed syllabus of the Masters's programme in applied geography and Geoinformatics was approved by the members.

Item No.4**Course structure proposed for BSc Geography honours with Research under NEP (New Education Policy) Structure**

The Chairperson briefed the members on the new syllabus structure under NEP. Further Dr. Sanjit Sarkar elaborated on the different components of NEP. There was a thorough discussion on the papers included in the structure, paper content, and renaming of the paper.

Prof. Jagarnathan and Prof. Kailash Chandra Das thought that the research component of the curriculum should be strengthened. In this regard, Prof. Jagarnathan recommended that papers containing fieldwork and scientific writing should be incorporated into the structure. Prof. Kailash Chandra Das further added that students should be encouraged to review published articles to improve their understanding of the structure of a research article.

About the detailed syllabus, Dr. Tejaswi Lakkundi made suggestions for increasing the hydrology component to 2 units instead of the existing 1 unit in the Climatology and Hydrology paper. Further, he also suggested shuffling the units in the Geomorphology paper. Prof. Jagarntan opined that the syllabus content of the paper "Spatial Analysis" be more specific and not generalized.

Prof. Kailash Chandra Das advised replacing Demography with Population Geography he elaborated that Population Geography is a more comprehensive and inclusive term than demography. Finally, Prof. MA Aslam suggested including the LOCF in the NEP course structure.

The suggestions are noted for suitable action.

The Chairperson thanked all the members, especially the external members, who have spent time and taken the trouble to participate in a positive and contributory way for the betterment of the Department.

**Chairperson &
Coordinator-Department of Geography**

CENTRAL UNIVERSITY OF KARNATAKA

**Department of Geography
School of Earth Sciences**

**Minutes of the Meeting of the Board of Studies
Held on 19th June 2023 in online mode.**

The following members attended the meeting.

Prof. R. Jaganathan <i>Head - Department of Applied Geography University of Madras</i>	Member
Prof. K C Das <i>Professor and Head Department of Migration and Urban Studies International Institute for Population Sciences</i>	Member
Prof. M A Mohammad Aslam <i>Dean, SES Department of Geology Central University of Karnataka.</i>	Member
Dr. B. Mahalingam <i>Coordinator – Department of Geography Central University of Karnataka</i>	Chairperson
Dr. Sanjit Sarkar <i>Assistant Professor Department of Geography - CUK</i>	Member
Dr. Tejaswi Lakkundi <i>Assistant Professor Department of Geology - CUK</i>	Member

Dr. Vishwanath B.C. and Dr. Swagata Ghosh, Assistant Professors in the Department of Geography, CUK attended the meeting on the invitation of the Chairperson.

The Chairperson welcomed all members and thanked them for attending the meeting. The agenda was taken up for discussion.

B. Mahalingam
19/6/23

Item No. 1: Discussion and Finalization of NEP - B.Sc. program course suggested by the CUK review committee under the New Education Policy.

- The chairperson provided an overview to the members regarding the CUK review committee's recommendations for the formation of the NEP-B.Sc. program syllabus. The coding system for courses, credits, and course names was explained.
- A thorough discussion ensued among the Board of Studies (BoS) members to select appropriate courses for each semester, considering the course content, students' capabilities, and credit requirements. The allocation of theory and practical components for courses that include both was also discussed and finalized.
- The course previously titled "Geography of India Physical" was renamed to "Physical Geography of India" based on the recommendation of the BoS members. Similarly, the course "Thematic Mapping and Cartography" was renamed as "Fundamentals of Cartography" as suggested by the BoS members.
- Members proposed the addition of certain content at the beginning of the fieldwork course in the 6th semester, such as field preparation, tool preparation, dos and don'ts. This recommendation was promptly incorporated during the meeting itself.
- During the discussion a member was proposed a rearrangement of courses for better student learning. It was suggested to move the "Application of Statistical Software in Research" course from the 7th semester to the 8th semester, and the "Quantitative Geography" course from the 8th semester to the 7th semester. The other members agreed that this revised order would be more suitable for students. Consequently, the course reorder was promptly implemented during the meeting based on the suggestions put forth by the members.
- Upon the conclusion of the discussion, the chairperson expressed gratitude to all the BoS members for their valuable contributions and support in developing the syllabus, and subsequently adjourned the meeting.

B.M. Subhakar
19/6/23
Chairperson &
Coordinator-Department of Geography

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