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Vishwavidyanilaya Karyasoudha, Crawford Hall, Mysore-570 005. Dated: 19.08.2020

No.AC.2(S)/378/2020-21

NOTIFICATION

Sub: Regulations for B.Tech. Planning / B.Planning course.

Ref: 1. Decision of Board of Studies in Urban & Regional Planning (UG & PG) meeting held on 27.12.2019.

- Decision of the Faculty of Science & Technology Meeting held on 18.02.2020.
- Decision of the Academic Council meeting held on 18.06.2020.

The Board of Studies in Urban & Regional Planning (UG & PG) which met on 27.12.2019 has approved the comprehensive Regulations for B.Tech. Planning / B.Planning course with retrospective effect from 2016-17 onwards.

The Faculty of Science and Technology and Academic Council meeting held on 18.02.2020 and 18.06.2020 respectively have approved the above said proposal and the same is hereby notified.

The detailed regulations of B.Tech. Planning / B.Planning course is annexed. The contents may be downloaded from the University Website i.e., <u>www.uni-mysore.ac.in</u>.

Draft approved by the Registrar

Deputy Registrar (Academic), Deputy Registrar (Academic), University of Mysore Mysore-570 005

- <u>To:</u>
- 1. The Registrar (Evaluation), University of Mysore, Mysore.
- The Dean, Faculty of Science & Technology, DoS in Psychology, Manasagangotri, Mysore.
- The Chairperson, BoS in Urban & Regional Planning (UG & PG), School of Planning and Architecture, Manasagangotri, Mysore.
- The Director, School of Planning and Architecture, Manasagangotri, Mysore.
- The Director, College Development Council, Moulya Bhavan, Manasagangotri, Mysore.
- The Deputy/Assistant Registrar/Superintendent, AB and EB, UOM, Mysore.
- The P.A. to the Vice-Chancellor/Registrar/Registrar (Evaluation), UOM, Mysore.
- 8. Office file.

University of Mysore

Regulations for B. Tech (Planning) (B.Tech (Plan))/ B. Planning (B.Plan)

Undergraduate Degree

2019-20

School of Planning and Architecture <u>UNIVERSITY OF MYSORE,</u> <u>Manasagangotri,</u> <u>MYSURU - 570006</u>

REGULATIONS FOR THE DEGREE OF Bachelor of Technology in Planning (B.Tech (Plan))/ Bachelor of Planning (B.Plan) UNDER CHOICE BASED CREDIT SYSTEM (CBCS)

Preamble: The B. Planning (B.Plan) course was introduced in the year 2016 by approving the Academic Council and also after getting the approval from Institute of Town Planners, India. The course was started in the School of Planning and Architecture in the academic year 2017-18. The syllabus and scheme of examination of AICTE was adopted as per the recommendations of ITPI. The eligibility and other regulations were approved from to time. Now, the nomenclature has been changed as B.Tech (Planning). It was felt necessary to have comprehensive regulations as it was adopted in the Architecture Department of SPA to cover both B.Planning and B.Tech (Planning) courses.

1.0 Course Offered and Duration of the Course

- 1.1 **Program**: The course shall be called the Degree Course in Bachelor of Technology in Planning abbreviated as B. Tech (Plan) which was changed from Bachelor of Planning¹ (B.Plan)
- 1.2 **Duration**: The course shall be of four academic years conducted in eight semesters (4 years)

2.0 Eligibility for Admission

2.1 The student should have passed Karnataka 2nd PUC/12th Standard or equivalent examination with Physics and Mathematics as compulsory subjects with one of the Chemistry/Engineering Drawing/Computer Science/Biology/Technical Vocational subject² and obtained minimum of 45% of the Marks in aggregate in the optional subjects. Besides, English as one of the languages of study. In case of candidates belong to SC, ST and OBC, the minimum marks for the purpose of eligibility will be 40% of marks in aggregate in optional subjects in the qualifying examination³.

OR

2.2 Diploma in Civil Engineering or Diploma in Architecture with minimum of 45% marks in aggregate and 5% relaxation for SC/ST/OBC. Candidates coming from Diploma streams shall not be entitled to any exemption of any subject at the B.Tech/ B. Plan degree course, hence there is no provisions for lateral entry to the course.

Note: (80% of the seats shall be reserved to 10+2 students and 20% of the total seats shall be reserved for Diploma candidates. If the sufficient number of regular candidates are not available, then the seats shall be converted to Diploma candidates.)

¹ Change of Nomenclature of Bachelor degree B. Planning to B.Tech (Planning) from the Academic Year 2019-20 vide UoM Notification No AC.2(S)/785/19-20 dated 12.07.2019

² Eligibility criteria for B. Tech Planning Course as per AICTE Manual 2019-20

³ Eligibility criteria for Admission to B.Planning Course University of Mysore Notification No.AC.2(S)/384/14-15 dated 01-06-201

3.0 Definitions

- 3.1 Academic Year: Two consecutive (one odd + one even) semesters shall constitute one academic year.
- 3.2 **Course:** Usually referred to, as 'papers' is a component of a programme. All courses need not carry the same weightage. The courses shall define learning objectives and learning outcomes. A course may be designed to comprise lectures/ tutorial / studios/ laboratory works / case studies / field work / thesis / professional training /Studio/ Reviews / seminars / term papers/assignments/presentations/self-study or a combination of some of these.
- 3.3 **Credit:** A unit by which the course work is measured. It indicates the relative importance of a given course subject.
- 3.4 **Choice Based Credit System (CBCS):** CBCS helps in customizing the course work for a student, through Core and Electives courses
- 3.5 **Credit Based System (CBS):** A credit system enables quantification of course work with credits being assigned to each course after a student completes its teaching-learning process, followed by passing in both Continuous Assessment & Semester End Examination. Under the CBS, the requirement for awarding a degree or certificate is prescribed in terms of total number of credits to be earned by the students.
- 3.6 **Grading:** Represented using Letter Grades as qualitative measure of achievement in each Course
- 3.7 **Programme:** An educational programme leading to award of a Degree .

4.0 Intake:

4.1 The Intake for the course is 40. Out of 40 seats 20 seats have been reserved for Karnataka Common Entrance Test (KCET)/JEE (Mains) and the remaining 20 seats shall be allotted by the School of Planning Architecture as per the seat matrix under Scheme-B of the University of Mysore admission regulations⁴. If there is no seat allotted from KCET/ JEE (mains) or there is a vacancy, the seats will be allotted by the School of Planning and Architecture as per the Admission Regulations and Seat The number of seats will be decided the University from time to time .

5.0 Attendance

- 5.1 Only those students who have at least 75% attendance in the course shall be permitted to take C3 examination for that course.
- 5.2 The Director shall notify the list of all the students who have less than 75% attendance in each course by the beginning of the 8th and 16th Week. A Copy of the same shall be sent to the Registrar (Evaluation) of the University Registrations. The students can reregister for the course when it is offered next.

⁴ University of Mysore letter to the Principal Secretary to Government, Government of Karnataka regarding allotment of seats for B.Planning Course for KCET and University vide letter No.AC3/351/2017-18 dated 29.06.2019 and dated 08.03.2019

5.3 In the case of a candidate who represents his/her institution/University, Karnataka State/nation in Sports/NCC/NSS/Cultural or any Official activities shortage of attendance up to a maximum of 15 days in a Semester may be condoned, based on the recommendation and prior permission of the Head of the Institution concerned.

6.0 Medium of Instruction

6.1 The medium of instruction shall be English. A student has to write the examination in English only.

7.0 Maximum duration for completing the entire course

7.10 The candidate shall pass the degree within double the duration of the course i.e in consecutive 8 years.

8.0 Theory and Studio- Minimum Passing Marks :

- 8.10 The candidate have to secure a minimum of 30% marks in the continuous assessment (Internal Evaluation) (C1+C2) for their eligibility to take up end semester exam for both theory and studio.
- 8.20 If the candidate fails to secure a minimum of 30% marks in the continuous assessment then the candidate has to re-register by paying examination fee for the subject in the next semester to improve in consultation with the previously assigned design teacher and he has to appear for the semester end examinations.
- 8.30 The failed candidates will be allowed to take up semester end examination on both Odd and Even semester examination as like theory subjects.
- 8.40 "The pass marks shall be **35%** in each theory subjects in semester end examination (C3) and **40%** in studio subjects i.e. practical for end examinations (C3 component). The aggregate for both theory and studio Project work i.e. practical shall be **40%**. The subjects which have been assessed internally as continuous assessment without end semester examination, the minimum pass marks shall be **40%**.
- 8.50 The faculty shall assess the internal assessment as a continuous assessment (C1 and C2 components) for both theory and studio/practical examination. The University shall conduct the examination at the end semester both theory and practical (studio). The Sessional Work (Planning Studio/workshop) shall be assessed by a Jury of internal and external examiners ⁵."
- 8.60 For the rest of the matters for gracing etc. the University of Mysore Examination Regulations shall apply to B. Tech/ B.Plan.

9.0 <u>Professional Training:</u>

9.10 A candidate shall undergo Professional Training after 4th and 6th semesters of exams for a period of 6 weeks in a Planning Organisations like Town Planning Departments/ Urban Development Authorities, Planning Authorities, Planning Consulting Firms, think tanks etc., Candidates undergoing training in India/Abroad the said country.

⁵ The University of Mysore Notification on Modifications in Examination Guidelines and Minimum Pass Marks for declaring results of B.Plan Course from Academic year 2019 vide Notification No.AC.2(S)/785/19-20 dated 20.07.2019 (clause d) and e) of 6.0)

- 9.20 The candidate shall submit the training report and certificate to the effect that he / she has undergone professional training to the Coordinator/Head of the Planning Department / Director. He / she shall appear in a *viva voce* examination for Professional Training in the 5th and 7th Semester Dissertation and Training seminar subject examination.
- 9.30 If a candidate fails in Professional Training seminar cum *viva voce* examination, he/she shall repeat the training afresh in any of the succeeding semesters and appear for the Training seminar cum *viva voce* examination again.
 - Note: Each student shall undertake training in planning (or related field) during summer vacation. The exact period and place of training will be decided in consultation with the coordinator

10.0. Study Tour:

10.1 Each student shall undertake the educational tour in the vacations after 7th Semester to get exposure of urban and regional planning practices being followed in other states. The students shall visit the Planning Offices, Public as well Private Sector and their project sites to gain liv experiences and exposures.

11.0 PLANNING THESIS

The thesis project is the culmination of the learning under B.Tech (Plan) /B.Plan programme . The thesis provides an opportunity to the students to experiment an urban and regional planning idea with comprehensive application of understanding of various aspects of built environment, urban, rural and regional planning and development.

- 11.1 Each student shall take a thesis topic in urban or regional context in the 8 semester having application in built environment, urban, rural and regional planning and development under the supervision of a Guide. The project chosen by a student can be of any scale which can be adequately handled in a prescribed semester duration. The genre of the project will end with a proposals.
- 11.2 The thesis of a student shall be evaluated in Internal Reviews for continuous assessment and first two reviews marks constitute C1 assessment and the rest two review constitute C2 assessment and Final Jury (End Examination) Constitute C3 components
- 11.3 The planning thesis presented by candidate for the purpose of evaluation shall comprise of detailed set of drawings, sketches and reports produced during the evaluation process and the project report in prescribed format.

12.0 <u>Progressive Marking Subjects(PMS) with No End-Semester</u> <u>Examination:</u>

12.1 PMS are evaluated through continuous assessment marking system during the semester and the candidates have to score minimum of 40% marks for passing.

12.2 If the candidate fails to secure minimum 40% in the Internal Assessment marks through continuous assessment then, the candidate is required to reregister the subject by paying examination fee in the next semester and then candidate have to re-appear for securing passing marks before semester end examination.

13.0 Carry over:

13.1 The backlog papers and practicals (studio) be attempted immaterial of odd or even semesters together. Carry over system is permitted irrespective of number of theory or practical subjects.

14.0 Marking and Grading System

- 14.1 The tentative/provisional grade card along with marks scored in each subject will be issued by the Registrar (Evaluation) at the end of every semester indicating the papers completed successfully
- 14.2 Upon successful completion of Bachelors degree a Final Marks cum Grade Card consisting of grades of all courses successfully completed by the candidate will be issued by the Registrar (Evaluation).
- 14.3 The grade and the grade point earned by the candidate in the subject will be as given below:

Marks (P)	Grade (G)	Grade Point ($GP = P * G$)
40-49	5	V*5
50-59	6	V*6
60-64	6.5	V*6.5
65-69	7	V*7
70-74	7.5	V*7.5
75-79	8	V*8
80-84	8.5	V*8.5
85-89	9	V*9
90-95	9.5	V*9.5
95-100	10	V*10

Here, P is the percentage of marks secured by a candidate in a course (C1+C2+C3) which is rounded to nearest integer. V is the credit value of course. G is the grade and GP is the grade point.

14.4 Overall cumulative grade point average (CGPA) of a candidate after successful completion of the required number of credits 244 is given by:

Sum of all Grade Points

CGPA = -----Total number of credits

While computing the CGPA, if the candidate has completed more than 244 credits.

15.0 Classification of results

15.1 The final Qualitative Index is to be awarded to the student is based on CGPA secured by the candidate and is given as follows.

CGPA	Qualitative Index
5 <= CGPA < 6	SECOND CLASS
6 <= CGPA < 8	FIRST CLASS
8 <= CGPA <=10	DISTINCTION

Overall percentage=10*CGPA.

16.0 Savings:

- 16.1 Any other regulations which are not covered under this regulations viz. gracing, awarding ranks, etc., the University of Mysore Regulations issued from time to time is applicable.
- 16.2 In cases there are any issues not addressed in these regulations, the decision of Vice-Chancellor on the advice of the Board of Studies will be final.
- 16.3 Any other issue not envisaged above shall be resolved by the Vice-Chancellor in consultation with the appropriate bodies.

B.Tech (Planning) (B.Tech(Plan)/ B. F	Planning (B.Plan) Credits
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SI. No.	Subject	Teac	eaching Hours Maximum			Maximum Marks				maximan marks			Credi ts
		L	P/ T	Tota l	ESE	IA	EJ	Total					
1.1	Fundamentals of Urban and Regional Planning	4	0	4	100	50	0	150	4				
1.2	Fundamentals of Building Structures	3	0	3	50	50	0	100	3				
1.3	Materials and Principles of Construction	3	0	3	50	50	0	100	3				
1.4	Statistical and Quantitative Methods in Planning - I	3	0	3	50	50	0	100	3				
1.5	Technical Report Writing and Research Methodology	3	0	3	0	100	0	100	3				
1.6	Basic Architectural Design	0	4	4	0	50	50	100	2				
1.7	Planning and Design Lab - I (Graphics and Presentation Techniques)	0	11	11	0	200	200	400	11				
	Total	16	15	31	250	550	250	1050	31				

First Semester

L- Lectures P - Practical or Laboratory; ESE- End Semester Examination (C3); IA- Internal Assessment (C1+C2); EJ-External Jury (C3) T- Tutorial

	Second Semester								1
Sl. No.	Subject		Tea	ching Hours		м	aximur	n Marks	Credits
		L	P/T	Total	ESE	IA	EJ	Total	Credits
2.1	Elements of Economics	3	0	3	50	50	0	100	3
2.2	Surveying and Photogrammetry	2	1*	3	50	50	0	100	3
2.3	Specifications, Estimation and Valuation	3	0	3	50	50	0	100	3
2.4	Statistical and Quantitative Methods in Planning - II	3	0	3	50	50	0	100	3
2.5	Evolution of Aesthetics, Culture and Technology	3	1*	4	50	50	0	100	4
2.6	Techniques of Planning - I	3	0	3	50	50	0	100	3
2.7	Applied Geology and Hydrology	0	2*	2	0	50	0	50	2
2.8	Planning and Design Lab - II (Graphics and Presentation Techniques)	0	11	11	0	200	200	400	11
	Total	17	15	32	300	55 0	200	1050	32

Second Semester

	Third Semester								
SI. No.	Subject		Те	aching Hours		Max	imum	Marks	Credits
		L	P/T	Total	ESE	IA	EJ	Total	Credits
3.1	Planning Theory - I	3	1*	4	100	50	0	150	4
3.2	Settlement Geography	3	0	3	50	50	0	100	3
3.3	Techniques of Planning - II	3	0	3	50	50	0	100	3
3.4	Computer Aided Design (CAD) in Planning	0	3	3	0	50	50	100	3
3.5	Demography and Urbanization	3	0	3	50	50	0	100	3
3.6	Traffic and Transportation Planning - I	3	0	3	50	50	0	100	3
3.7	Planning and Design Lab - III (Neighborhoods and Site Planning)	0	11	11	0	200	200	400	11
	Total	15	15	30	300	500	250	1050	30

Note: * Tutorial

Fourth Semester

SI. No.	Subject	Teaching Hours				Max	Marks	Credits	
		L	Ρ	Total	ESE	IA	EJ	Total	Credits
4.1	Planning Theory - II	4	0	4	100	50	0	150	4
4.2	Planning Practice - I	3	0	3	50	50	0	100	3
4.3	Traffic and Transportation Planning - II	3	0	3	50	50	0	100	3
4.4	Ecology, Environment and Resource Development and Management	3	0	3	50	50	0	100	3
4.5	Housing and Community Planning	3	0	3	50	50	0	100	3
4.6	Settlement Sociology	3	0	3	50	50	0	100	3
4.7	Planning and Design Lab - IV (Transportation Planning)	0	11	11	0	200	200	400	11
	Total	19	11	30	350	500	200	1050	30

Fifth Semester

Sl. No.	Subject		Tea	aching Hours		Max	imum	Marks	Credits
		L	P/T	Total	ESE	IA	EJ	Total	Credits
5.1	Real Estate Planning and Management	3	0	3	50	50	0	100	3
5.2	Planning and Management of Utilities and Services	3	0	3	50	50	0	100	3
5.3	Planning Legislation	3	0	3	50	50	0	100	3
5.4	Landscape Planning and Design	3	0	3	50	50	0	100	3
5.5	Geo-Informatics for Planning	2	1*	3	50	50	0	100	3
5.6	Sustainable Urban Development	3	0	3	50	50	0	100	3
5.7	Planning and Design Lab - V (Area Planning)	0	11	11	0	200	200	400	11
5.8	Training Seminar - I	0	2	0	0	50	0	50	2
	Total	17	14	31	300	550	200	1050	31

Note: *- Tutorial

Sixth Semester

SI. No.	Subject		Te	aching Hours		Credits			
		L	P/T	Total	ESE	IA	EJ	Total	Credits
6.1	Urban Management - I	3	0	3	50	50	0	100	3
6.2	Urban Renewal and Conservation	3	0	3	50	50	0	100	3
6.3	Project Formulation, Appraisal and Management	3	0	3	50	50	0	100	3
6.4	Introduction to Urban Design	3	0	3	50	50	0	100	3
6.5	Planning and Management of Informal Sector	2	1*	3	50	50	0	100	3
6.6	GIS for Planning	2	1*	3	50	50	0	100	3
6.7	Planning and Design Lab - VI (Urban Development Plan)	0	11	11	0	200	200	400	11
	Total	14	15	29	300	500	200	1000	29

Seventh Semester

SI. No.	Subject	Теа	ching	Hours	Maximum Marks				Credits
		L	P/T	Total	ESE	IA	EJ	Total	Credits
7.1	Introduction to Regional Planning	3	0	3	50	50	0	100	3
7.2	Urban Governance	3	0	3	50	50	0	100	3
7.3	Urban Finance	3	0	3	50	50	0	100	3
7.4	Disaster Risk Mitigation and Management	2	1*	3	50	50	0	100	3
7.5	Electives: Any one	3	0	3	50	50	0	100	3
	Infrastructure Planning, Development and Management Rural Development and Management								
7.6	Metropolitan Planning, Development and Management	3	0	3	50	50	0	100	3
7.7	Planning and Design Lab - VII (Regional Planning)	0	11	11	0	200	200	400	11
7.8	Training Seminar - II	0	2*	0	0	50	0	50	2
	Total	17	14	31	300	550	200	1050	31

Note * -Tutorial

Eight Semester

SI. No.	Subject		Te	aching Hours	Maximum Marks				Credits
		L	Ρ	Total	ESE	IA	EJ	Total	Credits
8.1	Urban Management - II	3	0	3	50	50	0	100	3
8.2	Planning Practice - II	3	0	3	50	50	0	100	3
8.3	Human Values in Planning	3	0	3	50	50	0	100	3
8.4	Electives Any One	3	0	3	50	50	0	100	
	 Environmental Impact Assessment PPP in Urban Environmental Services 								3
8.5	Planning Thesis	0	18	18	0	400	200	600	18
	Total	12	18	30	200	600	200	1000	30
L	Lectures	-		-			-	-	

P Practical or Laboratory

ESE End Semester Examination (C3)

IA Internal Assessment (C1+C2)

EJ External Jury (C3)

T Tutorial

Total Credits Earned in B.Tech (Planning)/	
B.Planning (B.Plan)	244
First Semester	31
Second Semester	32
Third Semester	30
Fourth Semester	30
Fifth Semester	31
Sixth Semester	29
Seventh Semester	31
Eighth Semester	30
Total	244