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# University of Mysore
## (Estd.1916)

# Ph. D. in PSYCHOLOGY

Programme Details
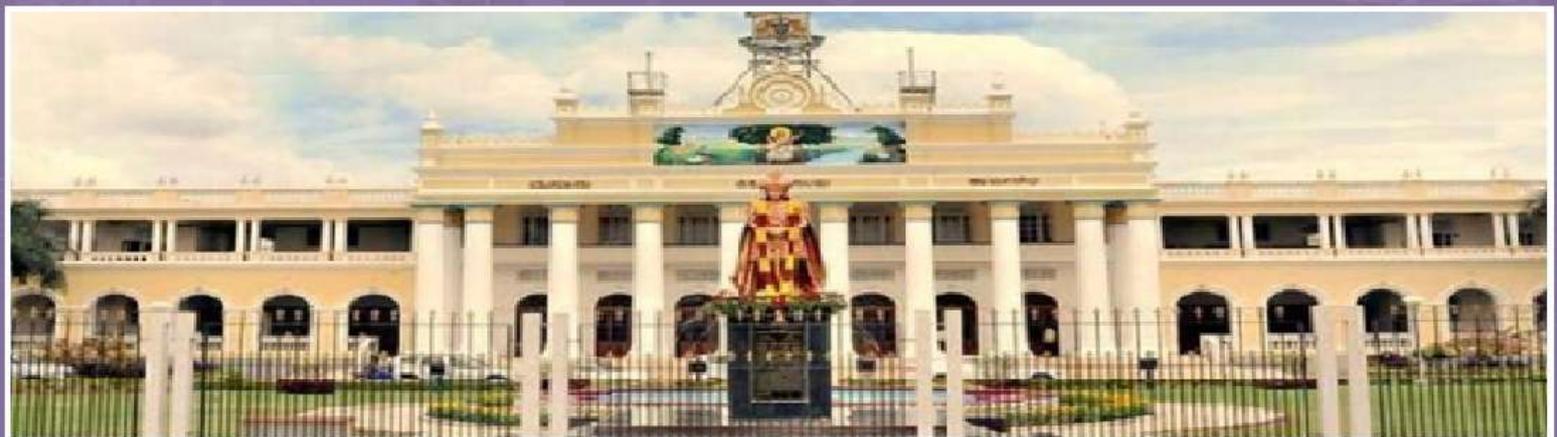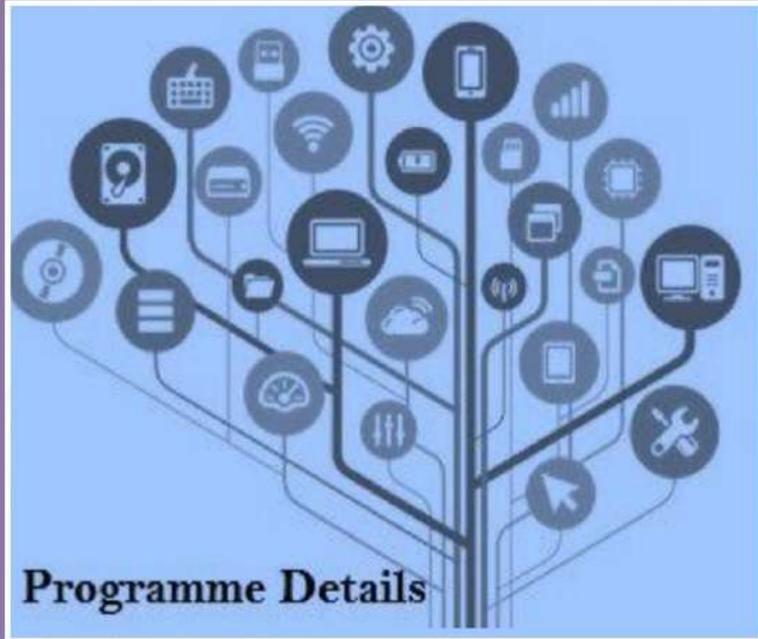
UNIVERSITY OF MYSORE

Department of Studies in Psychology

Manasagangotri, Mysuru-570 006

Regulations and Syllabus

Ph.D. in PSYCHOLOGY

UNIVERSITY OF MYSORE

GUIDELINES AND REGULATIONS LEADING TO

## Ph. D. IN PSYCHOLOGY

Programme Details

| | | |
|---|---|---|
| Name of the Department | : | Department of Studies in Psychology |
| Subject | : | Psychology |
| Faculty | : | Science and Technology |
| Name of the Programme | : | Ph.D. |

## Ph. D. IN PSYCOHOLOGY

**Programme Outcome**

The Ph.D. in Psychology programme is developed as a minimum three-year research programme. It provides extensive theoretical knowledge and widespread practical experience to acquire the necessary knowledge and expertise in the area of Psychology.

On successful completion of this programme, research scholars will be able to;

- ∑ Acquire hands on experience of research tools and techniques to conduct empirical, action, applied research in an effective manner under the direct guidance of research supervisor.
- ∑ Address issues of the society and guides in formulating solutions to the contemporary problems in the society. Also, understand the significance of mental health and empathising with the part of society with lacunae, and to simultaneously act upon, and conduct research to ensure better treatment and addressal of National and Global Psycho-social challenges.
- ∑ Independently design and carry out laboratory experiments, field experiments and field studies by using sound scientific methodology. Also, skills of interpretations, and publications, thereby skills of effective science and research communication.
- ∑ Conduct focussed research and undertake cutting edge research for an in-depth focussed understanding of the complex psychological issues, be they regional, national or global.

## PEDAGOGY

**For Ph. D Programme**

1. Doctoral candidates get first-hand information from their respective guides about their focal field of research and specific research area.
2. Candidate is trained to collect primary and secondary data through visits to fields (Esp. in Psychology: visiting hospitals and clinics, schools and educational institutions, organizational sectors, forests and zoos and through direct interaction with people in various social contexts)
3. Candidate undergoes PhD course work where he/she acquires first hand knowledge of carrying-out research, research designs, reviewing of literature, statistical application and analysis of data, skills of writing scientific reports from subject experts.

## COURSE – I: RESEARCH METHODOLOGY

Course Outcome: the research scholar will be able to,

$\sum$ Get acquainted with the types of research, designs and the ways and means of analyzing the data. Undertake an empirical study, testing the accuracy of the findings require sound knowledge about the various statistical techniques and tests.

$\sum$ Develop scientific temperament, analytical ability and tolerance.

$\sum$ Develop publication skills, scientific report writing skills and skills of gathering information from various sources.

$\sum$ Undertake various independent research projects which could contribute to integration and social harmony in Regional, National and Global level.

## COURSE CONTENT

**Unit 1:** The Language of science and Scientific approach Science and common sense; Methods of knowing; The aims of Science; Scientific approach; Scientific research; Problems and hypotheses in research, types of variables, Importance of operational definitions of Variables; sampling, randomization, sample size.

**Unit 2:** Research Designs Purpose of research design, Criteria of good research design; simple randomized and factorial design; Correlated groups design, Sample size, illustration and practice of designing of research, Types of Research: Field study research, Survey research, Laboratory Experiments, Field Experiments.

**Unit 3:** Methods of Data Collection Qualitative approach; Observation method, Interview; Sociometry; Animal behavior observation techniques; Use of inventories and objective tests; Use of instruments and software; Recording electrophysiological signals; Brain imaging techniques.

**Unit 4:** Data Analysis: ANOVA Theoretical foundation, Breaking variance, Factorial Analysis of Variance, Repeated Measure ANOVAs, Mixed models; ANCOVA, Nonparametric alternatives.

**Unit 5:** Data Analysis: Multivariate Analysis MANOVA, Multiple regression analysis, Factor analysis; Discriminant Analysis.

**Unit 6:** SPSS and Communication of research findings Use of SPSS for data analysis and interpretation; APA style of reporting; writing research papers; thesis preparation; writing grant proposals (for UGC, ICMR, DST, ICCSSR, etc.)

## COURSE 2: REVIEW OF LITERATURE

Course Outcome: the research scholar will be able to,

- ∑ Find specific questions to carry out an effective research, understand and acquire knowledge about existing literature in his/her specific area of research. Further, he/she can identify research gap or lacunae, and get clarity of concepts and theoretical framework in their line of research.

- ∑ Develop skills of science writing and acquires knowledge of difference scientific periodicals, e-Sources and various sources of gathering information.

- ∑ Get insight into his/her specific area of research and develop love and affection towards research area.