



**RAMAIAH
UNIVERSITY**
OF APPLIED SCIENCES

M.S. Ramaiah University of Applied Sciences

Programme Structure and Course Details

Of

MD Psychiatry 2022 onwards

M.S. Ramaiah University of Applied Sciences

Ramaiah Medical College


Registrar
M.S. Ramaiah University of Applied Sciences
Bangalore - 560 054


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Dean - Academics
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**RAMAIAH
UNIVERSITY**
OF APPLIED SCIENCES

M.S. Ramaiah University of Applied Sciences

Programme Specifications

MD Psychiatry Programme 2022 onwards

Programme Code: MD142

M.S. Ramaiah University of Applied Sciences

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University's Vision, Mission and Objectives

The M. S. Ramaiah University of Applied Sciences (MSRUAS) will focus on student-centric professional education and motivates its staff and students to contribute significantly to the growth of technology, science, economy and society through their imaginative, creative and innovative pursuits. Hence, the University has articulated the following vision and objectives.

Vision

MSRUAS aspires to be the premier university of choice in Asia for student centric professional education and services with a strong focus on applied research whilst maintaining the highest academic and ethical standards in a creative and innovative environment

Mission

Our purpose is the creation and dissemination of knowledge. We are committed to creativity, innovation and excellence in our teaching and research. We value integrity, quality and teamwork in all our endeavors. We inspire critical thinking, personal development and a passion for lifelong learning. We serve the technical, scientific and economic needs of our Society.

Objectives

1. To disseminate knowledge and skills through instructions, teaching, training, seminars, workshops and symposia in Engineering and Technology, Art and Design, Management and Commerce, Health and Allied Sciences, Physical and Life Sciences, Arts, Humanities and Social Sciences to equip students and scholars to meet the needs of industries, business and society
2. To generate knowledge through research in Engineering and Technology, Art and Design, Management and Commerce, Health and Allied Sciences, Physical and Life Sciences, Arts, Humanities and Social Sciences to meet the challenges that arise in industry, business and society
3. To promote health, human well-being and provide holistic healthcare
4. To provide technical and scientific solutions to real life problems posed by industry, business and society in Engineering and Technology, Art and Design, Management and Commerce, Health and Allied Sciences, Physical and Life Sciences, Arts, Humanities and Social Sciences
5. To instill the spirit of entrepreneurship in our youth to help create more career opportunities in the society by incubating and nurturing technology product ideas and supporting technology backed business
6. To identify and nurture leadership skills in students and help in the development of our future leaders to enrich the society we live in
7. To develop partnership with universities, industries, businesses, research establishments, NGOs, international organizations, governmental organizations in India and abroad to enrich the experiences of faculties and students through research and developmental programme

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Programme Specifications: MD Psychiatry

| | |
|------------------------|-------------------------|
| Faculty | Ramaiah Medical College |
| Department | Psychiatry |
| Programme | MD Psychiatry |
| Programme Code | MD142 |
| Dean of Faculty | Dr. Shalini C Nooyi |
| Head of the Department | Dr. T Murali |

1. Title of the Award: MD in Psychiatry
2. Mode of Study: Full-Time
3. Awarding Institution /Body: M. S. Ramaiah University of Applied Sciences, Bengaluru
4. Joint Award: Not Applicable
5. Teaching Institution: Ramaiah Medical College
6. Date of Programme Specifications: September 2022
7. Date of Programme approval by the academic Council of MSRUAS : 27th September 2022
8. Programme Approving Regulating Body and Date of Approval: National Medical Council of India
9. Rationale for the Programme

The purpose of PG education is to create specialists who can identify, evaluate and treat mental health disorders based on principles of evidence-based practices, keeping in mind national mental health policies, legislations and upholding professional ethics. The branch of psychiatry deals with sensitive and deeply personal issues, the course aims to help learn communication skills, soft skills and etiquette required. It also helps to develop expertise in related sub-specialties. To develop this, a rigorous training, with special focus on research and advanced practices, help provide quality healthcare and advance the science of psychiatry through research & training. With a view to update, by inclusion of newer topics, and to provide a uniform syllabus and course contents in Indian universities and teaching medical institutions, the proposed guidelines provide course outlines based on recent developments in clinical psychiatry and its sub-specialties.

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Programme objectives (PO) for MD Psychiatry Postgraduate students

- PO1.** Develop the knowledge, skills and attitude to be a competent Psychiatrist (C, P).
- PO2.** Demonstrate a commitment to excellence and continuous professional development with integrity, compassion and sensitivity to patient care. (A)
- PO3.** Acquire and develop the knowledge, skills and attitude required to be a competent and ethical researcher and teacher. (A, C, P)
- PO4.** Be able to independently perform clinical evaluation, confidently make a reasonable pharmacological and non-pharmacological plan, comfortable with using non-invasive brain stimulation techniques (ECT, rTMS, tDCS, tACS) procedures with a reasonable degree of professionalism and competence. (C,P)
By the end of the course, the student should have acquired knowledge (cognitive domain), professionalism (affective domain) and skills (psychomotor domain) as given below:

A. Cognitive Domain**By the end of the course, the student should demonstrate knowledge in the following:**

1. The student should be able to demonstrate knowledge of basic sciences (Anatomy, Physiology, Biochemistry, Microbiology, Pathology and Pharmacology) as applied to Psychiatry.
2. The student should be able to explain aetiology, assessment, classification and management and prognosis of various psychiatric disorders (including psychiatric sub-specialities), and Neuroanatomy, Neurophysiology, Neurochemistry, Neuroimaging, Electrophysiology, Psychoneuroendocrinology, Psychoneuroimmunology, Chronobiology and Neurogenetics.
3. Acquire knowledge of delirium, dementia, amnesic & other cognitive disorders and mental disorders due to a general medical condition.
4. The student should be able to explain follow-up care of person suffering from chronic relapsing psychiatric ailments.
5. The student should acquire knowledge of emergency measures in acute crisis arising out of various psychiatric illnesses including drug detoxification and withdrawal.
6. The student should acquire knowledge of pharmacokinetics & pharmacodynamics of drugs involved in psychiatric management of patients.
7. The student should acquire knowledge of (a) normal child development and adolescence, mental retardation in children (b) learning & associated disorders and their management
8. The student should acquire knowledge and be able to explain mechanisms for rehabilitation of psychiatric patients.
9. The student should acquire knowledge of substance related disorders and their management.
10. The student should acquire knowledge of psychotic disorders, mood disorders, and anxiety disorders and their management



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11. The student should acquire knowledge of sexual and gender identity disorders and their management.
12. The student should acquire knowledge of eating disorders and sleep disorders and their management.
13. The student should be conversant with recent advances in Psychiatry.
14. The student should be conversant with routine bedside diagnostic and therapeutic procedures and acquire knowledge of latest diagnostics and therapeutics procedures available.
15. The student should be conversant with various policy related aspects of Psychiatric practice in India (e.g. Mental Health Act, National Health Mental Health Programmes etc.).
16. The student should be conversant with research methodologies.
17. Student should be conversant with the role of Yoga and Meditation in the management of psychiatric disorders

B. Affective Domain:

1. The student should be able to function as a part of a team, develop an attitude of cooperation with colleagues, interact with the patient and the clinician or other colleagues to provide the best possible diagnosis or opinion.
2. The student should always adopt ethical principles and maintain proper etiquette in dealings with patients, relatives and other health personnel
3. The student should demonstrate respect for the rights of the patient including the right to information and second opinion.
4. The student should develop communication skills to prepare reports and professional opinion as well as to interact with patients, relatives, peers and paramedical staff, and for effective teaching.

C. Psychomotor domain

At the end of the course, the student should acquire the following clinical skills and be able to:

- Become an expert in good history taking, physical examination, mental state examination, and able to establish rapport and counsel family members and patients with keeping evidence-based practices in mind. They should be able to analyze and plan necessary investigations, psychological testing and pharmacological and psychosocial interventions for both short and long term management.

At the end of the course, the student should be able to:

1. Obtain a proper relevant history, and thorough clinical examination including detailed mental state examination with the help of appropriate verbal and non-verbal communication skills.
2. Arrive at a logical working diagnosis and differential diagnosis after clinical examination.
3. Order appropriate investigations keeping in mind their relevance and cost effectiveness and obtain additional relevant information from family members to help in diagnosis and management.
4. One should be able to understand the medico-legal aspects of Psychiatry, be able to assess for capacity (to make decisions, will, marriage, transplantation etc) and be aware of when to ask for involuntary admissions.
5. Identify non-psychiatric issues manifesting with psychiatric symptoms, or psychiatric symptoms with medical co-morbidities which require emergency attention have to be referred to appropriate teams/centers to ensure timely and optimum care delivered.
6. Write a complete case record with all necessary details.
7. Write a proper discharge summary with all relevant information.
8. Obtain informed consent for any examination/procedure.
9. Be able to curate and perform clinical audit independently.
10. Must be able to perform modified Electroconvulsive therapy (ECT).



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Programme specific outcome (PSO) for MD Psychiatry Postgraduate students

- PSO1** - Demonstrate the ability to diagnose and treat all psychiatric disorders and psychological issues using updated guidelines in Psychiatry with special ability to maintain interdisciplinary coordination. (C, A, P)
- PSO2** - Demonstrate the ability to address all emotional issues in patients and their family members pertaining to psychoeducation, handling emotional issues and discussing prognosis. (C, A, P).
- PSO3** - Organize proper promotive and preventive care strategies in the community aimed at reducing the burden of care in psychiatric disorders (C, A, P).
- PSO4** - Lead and participate in planning and execution of team work related to establishment and maintenance of infrastructure related to out-patient, in-patient psychiatric and psychological services as per guidelines. (C, A, P)
- PSO5** - Plan and conduct research related to the topic(C)
- PSO6** - Demonstrate the ability to organize teaching / training sessions for students (undergraduate and postgraduate level) and allied health workers, volunteers and counsellors in topics related to cancer psychological assessments and interventions. (C, P)

Note: A- Affective Domain, C- Cognitive Domain & P- Psychomotor Domain:



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The student, at the end of the course should be able to perform independently, the following:

1. Conduct detailed Mental Status Examination (MSE)
2. Cognitive behaviour therapy
3. Supportive psychotherapy
4. Modified ECT
5. Clinical IQ assessment
6. Management of alcohol withdrawal
7. Alcohol intoxication management
8. Opioid withdrawal management
9. Delirious patients
10. Crisis intervention

The student must be able to demonstrate approach to patient with variety of clinical presentations including following symptoms:

1. Auditory hallucinations
2. Visual hallucinations
3. Pseudo hallucination
4. Seizures true and pseudo seizure
5. Panic attack
6. Manic symptoms
7. Behavioural symptoms of schizophrenia
8. Catatonia
9. Delirium
10. Malingering

The student, at the end of the course should be able to perform under supervision, the following:

1. Behaviour therapy
2. Opioid intoxication management
3. Genetic counselling
4. Family therapy

The student, at the end of the course should be able to assist the expert in the following:

1. Interpersonal therapy
2. Management of suicide attempt



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Course-PO-PSO Mapping

| Course Code and name | Program Outcomes | | | | Program Specific Outcomes | | | | | |
|--|------------------|-----|-----|-----|---------------------------|------|------|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | PSO6 |
| MDC561A Basic Sciences as related to Psychiatry | 2 | 1 | 2 | 2 | 2 | 1 | | | 1 | 3 |
| MDC562A Clinical Psychiatry | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 3 |
| MDC563A Psychiatric specialties | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 3 |
| MDC564A Recent Advances in Psychiatry | | | 2 | 3 | 1 | | 1 | 1 | 2 | 2 |
| MDP516A Thesis- Psychiatry | | | 3 | | | | | | 3 | |



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10. Regulations:**(A) Attendance, Progress and Conduct**

1. A candidate pursuing degree course should work in the concerned department of the institution for the full period as a full time student. No candidate is permitted to run or work in clinic/laboratory/nursing home while studying postgraduate course. No candidate shall join any other course of study or appear for any other examination conducted by this university or any other university in India or abroad during the period of study.
2. Each year shall be taken as a unit for the purpose of calculating attendance. Attendance of 80% every term is mandatory for appearing in the final university examination.
3. Every student shall attend symposia, seminars, conferences, journal review meetings, grand rounds, CPC, case presentation, clinics and lectures during each year as prescribed by the department and not absent himself / herself from work without valid reasons.
4. Every candidate is required to attend a minimum of 80% of the training during each academic term of the post graduate course. Further, leave of any kind shall not be counted as part of academic term without prejudice to minimum 80% attendance of training period every term.
5. Any student who fails to complete the course in the manner stated above shall not be permitted to appear for the University Examinations.

(B) Monitoring of progress of Studies

1. Work diary / Log Book - Every candidate shall maintain a work diary and record of his/her participation in the training programmes conducted by the department such as journal reviews, seminars, etc. as per the model checklists and logbook specimen copy.
2. Special mention may be made of the presentations by the candidate as well as details of clinical or planning procedures, if any conducted by the candidate. The work diary shall be scrutinized and certified by the Head of the Department and Head of the Institution, and presented in the university practical/clinical examination.
3. Procedure for defaulters: There will be a committee constituted by all teachers to review such situations. The defaulting candidate is counselled by the guide and head of the department. In extreme cases of default, the departmental committee may recommend that defaulting candidate will be withheld from appearing the examination, if she/he fails to fulfill the requirements in spite of being given adequate chances to set himself or herself right.



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11. Teaching Learning Methods:

This being a highly dedicated PG specialty introducing several new concepts/subjects in the course, it is recommended to divide the entire course into two components consisting of First Year of BASIC CONCEPTS OF THE SPECIALTY and the next two years of INTENSIVE CLINICAL TRAINING IN THE SPECIALTY.

Didactic lectures are of least importance; seminars, journal clubs, symposia, reviews, and guest lectures should get priority for acquiring theoretical knowledge. Bedside teaching, grand rounds, interactive group discussions and clinical demonstrations should be the hallmark of clinical/practical learning.

The training techniques and approach should be based on principles of adult learning.

Clinical training should include measures for assessing competence in skills being taught and providing feedback on progress towards a satisfactory standard of performance. Time must be available for academic work and audit.

The following is a rough guideline to various teaching/learning activities that may be employed:

1. **Research Methodology:** The student should know the basic concepts of research methodology and biostatistics, plan a research project, be able to retrieve information from the library.
2. **Teaching skills:** The post graduate students shall be required to participate in the teaching and training programme of undergraduate students and interns.
3. **Continuing Medical Education Programmes (CME):** Each student should attend at least two CME programmes, in 3 years.
4. **Conferences:** The student should attend courses, conferences and seminars relevant to the specialty.
5. **Poster Presentation:** A post graduate student of a postgraduate degree course in broad specialties/super specialties would be required to present one poster presentation, to read one paper at a national/state conference and to present one research paper which should be published/accepted for publication/sent for publication during the period of his postgraduate studies so as to make him eligible to appear at the postgraduate degree examination.
6. **Seminars:** There should be a weekly seminar in which the PG students present material on assigned topics in rotation. It should be followed by discussion in which all trainees are supposed to participate. Generally the topics covered should be those that supplement the formal teaching programme.
7. **Case Conference:** A case conference should be held every week where a PG student prepares and presents a case of academic interest by rotation and it is attended by all the members of the Department.
8. **Psychosomatic Rounds:** This is a presentation of a case of psychosomatic illness, or a medical illness with pronounced psychiatric problems. It should be held weekly in collaboration with various departments and attended by the faculty and the PG students of psychiatry and the concerned Department.



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9. **Research Forum:** There should be a monthly meeting of one hour each in which the PG students present their plan of research as well as the report of the completed work of their projects. The other research scholars/staff in the department also may participate in it. The faculty, PG students and the non-medical professionals should make critical comments and suggestions.
10. **Journal Club:** A monthly meeting of Journal club should be held in which a senior PG student presents a critical evaluation of a research paper from a journal. All PG students are expected to attend.
11. **Case presentations:** All new in-patients and outpatients cases should be routinely reviewed with one of the Consultants. In addition, the PG student is required to present case material at routine rounds and other case conferences. Senior PG students will conduct evening classes on clinical topics.
12. **Extra-mural activities:** The post graduate students are encouraged to attend certain academic activities in allied subjects held outside parent department e.g. seminars/lectures held at Departments of Sociology, Psychology, Neurology etc.
13. **Psychotherapy tutorials:** These should be held in small groups supervised by a consultant, in which a case is presented by a PG student and psychotherapeutic management discussed.
14. A postgraduate student of a postgraduate degree course in broad specialties would be required to present one poster presentation, to read one paper at a national/state conference and to present one research paper which should be published/accepted for publication/sent for publication during the period of his postgraduate studies so as to make him eligible to appear at the postgraduate degree examination.
15. Postgraduate students shall be required to participate in the teaching and training programme of undergraduate students and interns.
16. Department should encourage e-learning activities.

Innovative teaching learning practices

1. Case Conference, book review and movie review are also used to help take the process of learning interesting.
2. Focused discussion during journal club inculcates culture in the areas of research and publication
3. Faculty Lecture on psychopathology, psychotherapy, research methodology, to ensure strong basics to build on as they go further.



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12. Assessment:

It is essential to monitor the learning progress of each candidate through continuous appraisal and regular assessment. It not only also helps teachers to evaluate students, but also students to evaluate themselves.

The process of monitoring and assessment should be a continuous one and should assess medical knowledge, patient care, procedural & academic skills, interpersonal skills, professionalism, self-directed learning and ability to practice in the system.

Quarterly assessment during the MD training should be based on:

1. Journal based / recent advances learning, Patient based /Laboratory or Skill based learning, Self-directed learning and teaching, Departmental and interdepartmental learning activity, External and Outreach Activities / CMEs
2. The student to be assessed periodically as per categories listed in postgraduate student appraisal form
3. Formative assessment can include methods like pedagogy, chart analysis, histopathology report analysis, Viva, standardized patients, MCQs, Open book exams, OSCE will be done. Impact: SWOT analysis can be done and timely counselling can be done.
4. Exam type case presentation will be followed for the last 6 months prior to exam, to make the case taking and presentation more comfortable.
5. Teaching skills: Candidates are encouraged to teach undergraduate medical students and paramedical students, if any. In addition, the second-year student acts as a mentor for the immediate junior in all aspects of the course.
6. Pedagogy as a tool in formative assessment helps the student to be a better teacher.

SUMMATIVE ASSESSMENT (at the end of training)

The summative examination would be carried out as per the Rules given in POSTGRADUATE MEDICAL EDUCATION REGULATIONS, 2000.

The examination shall be in three parts:

1. Thesis

Thesis shall be submitted at least six months before the Theory and Clinical / Practical examination. The thesis shall be examined by a minimum of three examiners; one internal and two external examiners, who shall not be the examiners for Theory and Clinical examination. A post graduate student shall be allowed to appear for the Theory and Practical/Clinical examination only after the acceptance of the Thesis by the examiners.



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2. Theory Examination:

There shall be four question papers, each of three hours duration. Each paper shall consist of two long essay questions each question carrying 20 marks and 6 short essay questions each carrying 10 marks. Total marks for each paper will be 100. Questions on recent advances may be asked in any or all the papers. Details of distribution of topics for each paper will be as follows:

3. Clinical/Practical and Oral/viva voce examination: Board of examination: The board of examiners consists of four members. Out of four one should be a Neurologist / Clinical Psychologist

Scheme of Examination:**A. Theory (Written Paper) 400 marks**

There shall be four question papers, each of three hours' duration. Each paper shall consist of 10 short essay questions each carrying 10 marks. Total marks for each paper will be 100. Questions on recent advances may be asked in any or all the papers. Details of distribution of topics for each paper will be as follows.

| Name of the course | Course Codes | Topics | Marks |
|---|--------------|---|-------|
| Basic Sciences as related to Psychiatry | MDC561A | Neuroanatomy, neurophysiology, neuropathology, theories of personality, Basic statistics, Classification in Psychiatry, Diagnosis and Assessment | 100 |
| Clinical Psychiatry | MDC562A | General Psychiatric disorders, Organic Psychiatry, Pharmacological and non-pharmacological treatments | 100 |
| Psychiatric specialties | MDC563A | Child Psychiatry, Community psychiatry, Addiction Psychiatry, Geriatric Psychiatry, Forensic Psychiatry, Perinatal Psychiatry, Non-invasive brain stimulation | 100 |
| Recent Advances in Psychiatry | MDC564A | Recent advances and investigations | 100 |
| Thesis – Psychiatry | MDP516A | Approval 6 months before final examination | |

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Clinical/Practical and Oral/viva voce examination:

Board of examination: The board of examiners consists of four members.
Out of four one should be a Neurologist / Clinical Psychologist

The maximum marks for clinical examination is 200

Aim of the clinical examination is to elicit the knowledge and competency of the candidate for undertaking independent work as specialist/teacher

Long cases – Psychiatry – One – 75

Neurology – One – 75

Short cases – Psychiatry – Two – 50 (2 x25)

Viva voce

100 marks

1) Viva-voice Examination: (80 marks)

All examiners will conduct viva-voice conjointly on candidate's comprehension, analytical approach, expression and interpretation of data. It includes all components of course contents. In addition, candidates may also be given case reports, CT scans, MRI scan, EEG, Psychological testing materials/reports etc., for interpretation. Questions on use of instruments will be asked. It includes discussion on dissertation also.

2) Pedagogy Exercise: (20 marks)

A topic be given to each candidate in the beginning of clinical examination. He/she is asked to make a presentation on the topic for 8-10 minutes.

- Presentation of long case of Psychiatry
- Neurology long case
- A short case Psychiatry
- Viva –voice

Due importance should be given to Log Book Records and day-to-day observation during the training.

B. Total Marks Distribution:

| Maximum marks for M.D degree course | Theory | Practical | Viva | Grand Total |
|-------------------------------------|--------|-----------|------|-------------|
| | 400 | 200 | 100 | 700 |



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Annexures

Annexure 1_Overall course plan year-wise

MONTHWISE TEACHING SCHEDULE FOR POST GRADUATES DEPARTMENT OF RADIATION ONCOLOGY

| MONTH | SITE | Teacher |
|-----------|---|-----------|
| January | Depression and Related disorders | In-Charge |
| February | Bipolar affective disorder | In-Charge |
| March | Obsessive Compulsive disorder and related disorders | In-Charge |
| April | Eating disorders, Elimination disorders | In-Charge |
| May | Newer drugs in Psychiatry | In-Charge |
| June | Addiction Medicine – Alcohol, nicotine, cannabis, opioids | In-Charge |
| July | Neuroanatomy | In-Charge |
| August | Neurophysiology | In-Charge |
| September | Phenomenology, History taking and MSE | In-Charge |
| October | Phenomenology | In-Charge |
| November | Diagnostic and classificatory systems | In-Charge |
| December | Schizophrenia and Related disorders | In-Charge |

Note:

1. The respective faculty will be in charge of the entire process, planning, implementation and assessment.
2. It is preferable to put the time table latest by 20th of previous month.
3. PGs are expected to keep in touch with the respective teachers well ahead of the class.



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Annexure 2_Sample of monthly schedules

APRIL TEACHING SCHEDULE FOR POST GRADUATES THEME: PAEDIATRIC ONCOLOGY

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------------|---------------|---------------|-----------|--|--------------------|----------|
| | | | | 1 Case Conference Grand Rounds | 2 | 3 |
| 4 Sunday | 5 Seminar | 6 | 7 PBL | 8 Case Conference Grand Rounds | 9 | 10 |
| 11 Sunday | 12 Seminar | 13 Holiday | 14 PBL | 15 Case conference Grand Rounds | 16 | 17 |
| 18 Sunday | 19 Seminar | 20 | 21 PBL | 22 Case Conference Grand Rounds | 23 Journal Club | 24 |
| 25 Sunday | 26 Seminar | 27 | 28 PBL | 29 Case Conference Grand Rounds | 30 | |

Instructions: -

- PBL- Problem based learning
- All students have to read up the topic to engage in active learning.
- All classes will be based on discussion
- PPTS to be used only to guide the presenter
- The student allotted the seminar/journal club/case presentation has to meet the chair-person 1 week in advance and discuss in detail.
- All the best



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Annexure 3_PG outside posting policy

Post graduates will be posted in

| | |
|---|----------|
| 1. General Hospital Psychiatry | 1 month |
| 2. General Medicine | 1 month |
| 3. Neurology | 2 months |
| 4. Child psychiatry | 3 months |
| 5. Addiction medicine | 3 months |
| 6. Psychology | 1 month |
| 7. Community Psychiatry | 2 months |
| 8. Consultation Liaison Psychiatry | 3 months |
| 9. Psychiatric Hospital/Forensic Psychiatry | 1 month |
| 10. Elective Posting | 1 month |
| 11. District Rural Postings as per NMC | 3 months |



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LOG BOOK

Table 1 : Academic activities attended

Name:

Admission Year:

College:

[illegible]

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Table 2: Academic presentations made by the student

Admission Year:

[illegible]

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LOG BOOK

Table 3: Diagnostic and Operative procedures performed(ECT)

Name:

Admission Year:

College:

| Date | Name | ID No. | Procedure | Category O, A, PA, PI* |
|------|------|--------|-----------|---------------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

- * Key: O - Washed up and observed
 A - Assisted a more senior Surgeon
 PA - Performed procedure under the direct supervision of a senior surgeon
 PI - performed independently



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Annexure 5_Students appraisal form

Postgraduate Students Appraisal Form Name of the PG Student Period of Training
Duration:.....to.....

| Sl. No | Particulars | Not satisfactory (1,2,3) | Satisfactory (4,5,6) | More than Satisfactory (7,8,9,10) | Remarks |
|--------|--|--------------------------|----------------------|-----------------------------------|---------|
| 1 | Journal based learning | | | | |
| 2 | Patient care and rounds | | | | |
| 3 | Bedside teaching, Clinical seminars | | | | |
| 4 | Communication skills | | | | |
| 5 | Log book | | | | |
| 6 | Thesis work | | | | |
| 7 | CME/Outreach programmes/Conference presentations | | | | |
| 8 | Self-directed learning | | | | |
| 9 | Under-graduate teaching | | | | |
| 10 | Research/Publication | | | | |

Sign of the student

Sign of the assessor

Sign of Head of the Department



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Course Specifications MD Psychiatry

2022 onwards

Course Code: MDC561A



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Course Specifications

| | |
|--------------|---|
| Course Title | Basic Sciences as related to Psychiatry |
| Course Code | MDC561A |
| Department | Psychiatry |
| Faculty | Ramaiah Medical College |

Course summary:

This course is designed in such a way that the student will master the basics of neuroanatomy, neurophysiology and various neurochemicals, neural pathways that are involved in psychiatric disorders. They will also understand various classificatory systems, basic statistics, psychological theories, investigations and diagnosis in psychiatric disorders.

Course Outcomes:

CO 1: Demonstrate comprehensive knowledge of applied neuroanatomy and neurophysiology, classification, neurochemical basis for psychiatric disorders. (C)

CO 2: Demonstrate the understanding of basic psychological principles and basic statistics. (C)

CO 3: Demonstrate the understanding of classificatory systems, investigation and diagnostic approaches. (C)

Course Content:

1. Functional and behavioural neuroanatomy
2. Neurophysiology and Neuro-chemistry
3. Neuro-imaging
4. Electrophysiology (including chronobiology, electroencephalogram, etc
5. Neurogenetic disorder
6. Classification In Psychiatry (ICD, DSM, RDoC)
7. Theory of personality and personality disorders
8. Case-Presentations (including History Taking, Neurological Examination, Mental Status Examination etc.).
9. Learning – Theories.
10. Memory
11. Psychology (Clinical)
12. Psychodynamic school of therapy



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13. Psychometry/ Psychodiagnostics

14. Psychopharmacology

15. Psychotherapy

Course Title Basic Sciences as related to Psychiatry

Course Code MDC561A

Department Psychiatry

Faculty Medicine

16. Statistics/Research Methodology

17. Psychiatry rating scales

18. Epidemiology



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Course Mapping (CO-PO-PSO Mapping)

| Course Code and name | Course Outcomes | Program Outcomes | | | | Program Specific Outcomes | | | | | |
|---|-----------------|------------------|-----|-----|-----|---------------------------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | PSO6 |
| MDC561A Basic Sciences as related to Psychiatry | CO 1 | 3 | | 2 | 3 | | | | | 3 | 2 |
| | CO 2 | 3 | | 1 | 3 | 3 | 3 | 2 | | 3 | 2 |
| | CO 3 | 3 | | 1 | 3 | 3 | | | | 2 | 3 |
| 3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution | | | | | | | | | | | |



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Course Specifications MD Psychiatry

2022 onwards

Course Code: MDC562A



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Course Specifications

| | |
|--------------|-------------------------|
| Course Title | Clinical Psychiatry |
| Course Code | MDC562A |
| Department | Psychiatry |
| Faculty | Ramaiah Medical College |

Course Summary:

This course is designed in such a way that the student will have in depth understanding of serious mental illness(SMI), common mental disorders, organic psychiatric disorders and their management based on guidelines.

Course Outcomes:

CO 1: Demonstrate the ability to assess, evaluate and diagnose serious mental illness(SMI), common mental disorders and make appropriate plan of management. (C,A,P)

CO 2: Demonstrate the ability to assess, evaluate and diagnose organic psychiatric disorders and make appropriate plan of management. (C,A,P)

CO 3: Demonstrate the role of psychiatrist in providing/planning non-pharmacological interventions at individual/family/community level. (C,A,P)

Course Content:

1. Organic Psychiatry (including Amnesic Disorders, Catatonic Disorder, Cerebrovascular Disorders, Delirium, Dementia, Endocrine Epilepsy, Head Injury, Headache, HIV – AIDS, Infections, etc.
2. Psychoneuroendocrinology
3. Abuse (Physical / Sexual) or Neglect Of Child /Adult
4. Adjustment Disorder
5. Anxiety Disorders (including Panic Disorder, Agoraphobia, Phobias, Obsessive-Compulsive Disorder, Posttraumatic Stress Disorder, Acute Stress Disorder, Generalized Anxiety Disorder, etc).
6. Culture Bound Syndromes
7. Dissociative Disorders (including Dissociative Amnesia, Dissociative Fugue, Dissociative Identity Disorder, Depersonalization Disorder, etc.
8. Eating Disorders (including Anorexia Nervosa, Bulimia Nervosa, etc.)
9. Electro-Convulsive Therapy
10. Emergencies In Psychiatry
11. Emotional Intelligence
12. Ethics In Psychiatry



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13. Factitious Disorders

14. Impulse-Control Disorders (including Intermittent Explosive Disorder, Kleptomania, Pyromania, Pathological Gambling, Trichotillomania, etc)

15. Mental Retardation

16. Miscellaneous: Non-compliance, Malingering, Antisocial Behaviour, Borderline Intellectual Functioning, Age-Related Cognitive Decline, Bereavement (including Death), Academic Problems, Occupational Problems, Identity Problems, Religious or Spiritual Problems, Acculturation Problems, Phase of Life Problems, Chronic Fatigue Syndrome, etc.)

17. Mood Disorders (including Depressive Disorders, Bipolar Disorders, Cyclothymic Disorder, etc.)

Course Title Clinical Psychiatry

Course Code MDC562A

Department Psychiatry

Faculty Medicine

18. Movement Disorders (including Medication-Induced Movement Disorders, etc)

19. Neuropsychology (including Psychological Features of Cerebral Disorders, Clinical Assessment etc.)

20. Psychosis (including Schizophrenia, Schizophreniform Disorder, Schizoaffective Disorder, Delusional Disorder, Brief Psychotic Disorder, Shared Psychotic Disorder, etc).

21. Psychosomatic Disorders

22. Sexual And Gender Identity Disorders (including Sexual Desire Disorders, Sexual arousal Disorders, Orgasmic Disorders, Sexual Pain Disorders, Vaginismus, Paraphilias, etc)

23. Sleep Disorders (including Insomnia, Narcolepsy, Breathing-Related Sleep Disorders, Circadian Rhythm Sleep Disorders, Parasomnias, Nightmare Disorder, Sleep Terror Disorder, Sleepwalking Disorder, etc.)

24. Somatoform Disorders (including Somatization Disorder, Undifferentiated Somatoform Disorder, Conversion Disorder, Pain Disorder, Hypochondriasis, Body Dysmorphic Disorder, etc.)

25. Stress and related disorders

26. Stupor

27. Suicide management and medico-legal aspect

28. Transcultural Psychiatry

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Course Mapping (CO-PO-PSO Mapping)

| Course Code and name | Course Outcomes | Program Outcomes | | | | Program Specific Outcomes | | | | | |
|---|-----------------|------------------|-----|-----|-----|---------------------------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | PSO6 |
| MDC562A Clinical Psychiatry | CO1 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | | 2 | 2 |
| | CO 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | | 2 | 2 |
| | CO 3 | 2 | 1 | | | 3 | 3 | 2 | | 2 | 2 |
| 3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution | | | | | | | | | | | |



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Course Specifications MD Psychiatry

2022 onwards

Course Code: MDC563A



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Course Specifications

| | |
|--------------|-------------------------|
| Course Title | Psychiatric Specialties |
| Course Code | MDC563A |
| Department | Psychiatry |
| Faculty | Ramaiah Medical College |

Course Summary:

The course is designed in such a way that the student will understand the various sub-specialties in Psychiatry like Child Psychiatry, Community psychiatry, Addiction Psychiatry, Geriatric Psychiatry Forensic Psychiatry, Perinatal Psychiatry and Non-invasive brain stimulation.

Course Outcomes:

CO 1: Demonstrate the ability to assess, evaluate and diagnose Child Psychiatry, Community psychiatry, Addiction Psychiatry and Geriatric Psychiatry cases and make appropriate plan of management. (A,C,P)

CO 2: Demonstrate the ability to assess, evaluate and diagnose Forensic Psychiatry, Perinatal Psychiatry cases and make appropriate management plan. Also understand the application of Non-invasive brain stimulation in psychiatric disorders. (A,C,P)

Course Content:

1. Rehabilitation of psychiatric patients
2. Substance Related Disorders (including Alcohol-Related Disorders, Amphetamine-Related Disorders, Caffeine-Related Disorders, Cannabis- Related Disorders, Cocaine-Related Disorders, Hallucinogen-Related Disorders, Inhalant-Related Disorders, Nicotine-Related Disorders, Opioid-Related Disorders, Phencyclidine-Related Disorders, Sedative-, Hypnotic-, or Anxiolytic-Related Disorders, etc.)
3. Perinatal Psychiatry
4. Forensic and Legal Psychiatry (including Indian Lunacy Act, Mental Health Act, Persons with Disability Act, Narcotic Drugs and Psychotropic Substance Act)
5. Consultation-Liaison Psychiatry
6. Child Psychiatry (including Learning Disorders, Motor Skills Disorder, Communication Disorders, Pervasive Developmental Disorders (Autistic Disorder, Rett's Disorder, Childhood Disintegrative Disorder, Asperger's Disorder), Attention-Deficit/Hyperactivity Disorder, Conduct Disorder, Oppositional Defiant Disorder, Pica, Tic Disorders, Elimination Disorders, Separation Anxiety Disorder, Selective Mutism, Reactive Attachment Disorder of Infancy or Early Childhood, Stereotypic Movement Disorder, etc.)
7. Community Psychiatry
8. Geriatric Psychiatry
9. Sexual And Gender Identity Disorders (including Sexual Desire Disorders, Sexual arousal Disorders, Orgasmic Disorders, Sexual Pain Disorders, Vaginismus, Paraphilias, etc)

Course Title Psychiatric Specialit

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Course Mapping (CO-PO-PSO Mapping)

| Course Code and name | Course Outcomes | Program Outcomes | | | | Program Specific Outcomes | | | | | |
|---|-----------------|------------------|-----|-----|-----|---------------------------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | PSO6 |
| MDC563A Psychiatric Specialties | CO 1 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | | 2 | 2 |
| | CO 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | | 2 | 2 |
| 3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution | | | | | | | | | | | |



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Course Specifications MD Psychiatry

2022 onwards

Course Code: MDC564A



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Course Specifications

| | |
|--------------|-------------------------------|
| Course Title | Recent advances in Psychiatry |
| Course Code | MDC564A |
| Department | Psychiatry |
| Faculty | Ramaiah Medical College |

Course Summary:

The course is designed in such a way that the student gets to know recent advances in neurobiological advances, psychopharmacology, investigations, brain stimulation, genetics, and others.

Course Outcomes:

CO 1: Aware and adequate understanding newer advances in the field of psychiatry.(C,P)

CO 2: Demonstrate ability to apply the knowledge gained to assess, investigate or treat the person. (C,A,P)

Course Content: Recent advances in investigation, pharmacology, treatment (pharmacological and non-pharmacological), genetics and others.



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Course Mapping (CO-PO-PSO Mapping)

| Course Code and name | Course Outcomes | Program Outcomes | | | | Program Specific Outcomes | | | | | |
|---|-----------------|------------------|-----|-----|-----|---------------------------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | PSO6 |
| MDC564A Recent advances in Psychiatry | CO 1 | 3 | 2 | 1 | | 2 | | | | 2 | 2 |
| | CO 2 | 3 | 2 | | | 1 | | | | 3 | 2 |
| | | | | | | | | | | | |
| 3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution | | | | | | | | | | | |



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Course Specifications MD Psychiatry

2022 onwards

Course Code: MDP516A

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Course Specifications

| | |
|--------------|-------------------------|
| Course Title | Thesis – Psychiatry |
| Course Code | MDP516A |
| Department | Psychiatry |
| Faculty | Ramaiah Medical College |

Course Summary:

The course is designed in such a way that the student will master the science of research in terms of designing, conducting and interpreting the results.

Course Outcome:

Describe the techniques of research, identify available literature and critically analyse the same. (C)

Course details:

Every candidate pursuing MD Medicine degree course is required to carry out work on a selected research project under the guidance of a recognised post graduate teacher. The results of such a work shall be submitted in the form of a dissertation. The dissertation is aimed to train a post graduate student in research methods and techniques. It includes identification of a problem, formulation of a hypothesis, search and review of literature, getting acquainted with recent advances, designing of a research study, collection of data, critical analysis, and comparison of results and drawing conclusions.

Every candidate shall submit to the Registrar (Academic) of the University in the prescribed proforma, a synopsis containing particulars of proposed dissertation work within six months from the date of commencement of the course on or before the dates notified by the University. The synopsis shall be sent through the proper channel.

Such synopsis will be reviewed and the dissertation topic will be registered by the University. No change in the dissertation topic or guide shall be made without prior approval of the University. The dissertation should be written under the following headings:

1. Introduction
2. Aims or Objectives of study
3. Review of Literature
4. Material and Methods
5. Results
6. Discussion
7. Conclusion
8. Summary
9. References (Vancouver style)
10. Tables
11. Annexures

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Course Mapping (CO-PO-PSO Mapping)

| Course Code and name | Course Outcomes | Program Outcomes | | | | Program Specific Outcomes | | | | | |
|---|-----------------|------------------|-----|-----|-----|---------------------------|------|------|------|------|------|
| | | PO1 | PO2 | PO3 | PO4 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | PSO6 |
| MDP513A Thesis- Psychiatry | CO | | 1 | 3 | | | | | | 3 | 3 |
| 3: Very Strong Contribution, 2: Strong Contribution, 1: Moderate Contribution | | | | | | | | | | | |

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Recommended Reading Books (latest edition)

1. Kaplan and Saddock's Comprehensive Text Book of Psychiatry
2. Kaplan and Saddock's Synopsis of Psychiatry
3. Fish Clinical Psychopathology
4. Sims' symptoms in the mind
5. Lishman's Organic Psychiatry, The Psychological consequences of cerebral disorder
6. Clinical practice guidelines of Psychiatric disorders in India
7. Stahl Psychopharmacology
8. Oxford text book of Psychiatry
9. Mental Health Act, Person with Disability Act (India)
10. Lowinson et al -Substance Abuse-A Comprehensive Textbook
11. Galanter and Klebert-Textbook of Substance Use Treatment

Journals

1. American Journal of Psychiatry
2. British journal of Psychiatry
3. Lancet Psychiatry
4. JAMA Psychiatry
5. Biological Psychiatry
6. Schizophrenia Bulletin
7. Indian Journal of Psychiatry
8. Psychiatric clinics of North America.
9. Journal of American academy of child and adolescent Psychiatry.

Additional Reading

1. National mental health survey 2016.
2. Laws related to mental health, substance use, marriage and divorce.
3. UpToDate

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