



**M.Sc. Radiography (Yearly pattern)**

Note: A credit is a unit by which the coursework is measured. It determines the number of hours of instruction required per week over the duration of a semester of minimum 15 weeks or 90 days which will be doubled for the yearly program i.e. 30 weeks or 180 days.

1. 1 theory credit = 15 hours of academic activity engagement in a semester, which is 1 credit = 1 hour of theory in a semester that will doubled in the yearly program, which is 2 credit = 1 hours of academic engagement.

2. 1 credit of (practical/internship/workshop-based activity/self-learning-online/offline) = 30 hours of engagement in a semester, which is 1 credit = 2 hours of practical in the semester that will halved in the yearly program, which is 1 credit = 1 hour of practical engagement.

3. Research Project/Dissertation: Entire second year (12 credits)

**Credits distribution scheme:**

| Component    | Credit | Lectures (hrs.) | Lab (hrs.) | Tutorial |
|--------------|--------|-----------------|------------|----------|
| Theory       | 2      | 1               | -          | -        |
| Practical    | 1      | -               | 1          | -        |
| Dissertation | 1      | -               | 1          | -        |

**Year - 1**

|          |                                                      |              |           |           |          | Internal Marks |    |    | External Marks |    | Passing Marks<br>(Theory + CE) | Passing Marks<br>(Practical) | Total<br>Marks |
|----------|------------------------------------------------------|--------------|-----------|-----------|----------|----------------|----|----|----------------|----|--------------------------------|------------------------------|----------------|
| Code     | Subject                                              | Credit       | Lect      | Lab       | Tut      | T              | P  | CE | T              | P  | Int. + Ext.                    | Int. + Ext.                  |                |
| 19200101 | Research Methodology and Biostatistics (T)           | 8.00         | 4         | -         | -        | 20             | -  | 20 | 60             | -  | 50                             | -                            | 100            |
| 19200102 | Research Methodology and Biostatistics (P)           | 4.00         | -         | 4         | -        | -              | 20 | 20 | -              | 60 | -                              | 50                           | 100            |
| 19210101 | Interventional Radiology & Radiologic Procedures (T) | 8.00         | 4         | -         | -        | 20             | -  | 20 | 60             | -  | 50                             | -                            | 100            |
| 19210102 | Interventional Radiology & Radiologic Procedures (P) | 4.00         | -         | 4         | -        | -              | 20 | 20 | -              | 60 | -                              | 50                           | 100            |
| 19210103 | Instrumentation of Advanced Radiology Equipments(T)  | 8.00         | 4         | -         | -        | 20             | -  | 20 | 60             | -  | 50                             | -                            | 100            |
| 19210104 | Instrumentation of Advanced Radiology Equipments(P)  | 4.00         | -         | 4         | -        | -              | 20 | 20 | -              | 60 | -                              | 50                           | 100            |
| 19210105 | Nuclear Medicine Imaging(T)                          | 8.00         | 4         | -         | -        | 20             | -  | 20 | 60             | -  | 50                             | -                            | 100            |
| 19210106 | Nuclear Medicine Imaging (P)                         | 4.00         | -         | 4         | -        | -              | 20 | 20 | -              | 60 | -                              | 50                           | 100            |
|          | <b>Total</b>                                         | <b>48.00</b> | <b>16</b> | <b>16</b> | <b>-</b> |                |    |    |                |    |                                |                              | <b>800</b>     |

**Lect** - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical  
**Theory Passing % : 50 Practical Passing % : 50**



Year - 2

|          |                                                                              |        |      |     |     | Internal Marks |    |     | External Marks |     | Passing Marks<br>(Theory + CE) | Passing Marks<br>(Practical) | Total<br>Marks |
|----------|------------------------------------------------------------------------------|--------|------|-----|-----|----------------|----|-----|----------------|-----|--------------------------------|------------------------------|----------------|
| Code     | Subject                                                                      | Credit | Lect | Lab | Tut | T              | P  | CE  | T              | P   | Int. + Ext.                    | Int. + Ext.                  |                |
| 19210201 | Patient Care In Diagnostic Radiology (T)                                     | 8.00   | 4    | -   | -   | 20             | -  | 20  | 60             | -   | 50                             | -                            | 100            |
| 19210202 | Patient Care In Diagnostic Radiology (P)                                     | 4.00   | -    | 4   | -   | -              | 20 | 20  | -              | 60  | -                              | 50                           | 100            |
| 19210203 | Quality Assurance and Quality Control in Diagnostic Radiology and Imaging(T) | 8.00   | 4    | -   | -   | 20             | -  | 20  | 60             | -   | 50                             | -                            | 100            |
| 19210204 | Quality Assurance and Quality Control in Diagnostic Radiology and Imaging(P) | 4.00   | -    | 4   | -   | -              | 20 | 20  | -              | 60  | -                              | 50                           | 100            |
| 19210205 | Radiation Evaluation & Protection in Diagnostic Radiology (T)                | 8.00   | 4    | -   | -   | 20             | -  | 20  | 60             | -   | 50                             | -                            | 100            |
| 19210206 | Radiation Evaluation & Protection in Diagnostic Radiology (P)                | 4.00   | -    | 4   | -   | -              | 20 | 20  | -              | 60  | -                              | 50                           | 100            |
| 19210207 | Dissertation                                                                 | 12.00  | -    | 12  | -   | -              | -  | 100 | -              | 100 | -                              | 100                          | 200            |
|          | Total                                                                        | 48.00  | 12   | 24  |     |                |    |     |                |     |                                |                              | 800            |

**Lect** - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical  
**Theory Passing % : 50 Practical Passing % : 50**