

## COURSE CONTENT

**University:** Muğla Sıtkı Koçman University

**Faculty:** Medicine/ **Program:** English Program

**Academic Year:** 2020-2021

**Phase: 5/ Course:** Nuclear Medicine

**Course Code:** MED 5022/ **ECTS:** 1 / **T+U+L:** Theoretical + Practical

**Course Type :** Compulsory/ **Course Length :** 1 weeks/ **Type of Instruction :** Formal/ **Language of Instruction :** English

### Theoretical:

1. Detection of radioactive rays, scintigraphic methods (1hour)
2. Endocrine system scintigraphies I (1hour)
3. Endocrine system scintigraphies II (1hour)
4. Interaction of radioionizing rays with matter, biological effects and radiation protection (1hour)
5. Introduction of Nuclear Medicine (1hour)
6. Myocardial perfusion scintigraphy I (1hour)
7. Myocardial perfusion scintigraphy II (1hour)
8. PET-CT in clinical practice (1hour)
9. Radioactivity, Radioactive beam types, Radioactive decay (1hour)
10. Radionuclide treatments I (1hour)
11. Radionuclide treatments II (1hour)
12. Radionuclides used in nuclear medicine and obtaining them (1hour)
13. Renal scintigraphies I (1hour)
14. Renal scintigraphies II (1hour)
15. Skeletal system scintigraphy and infection imaging (1hour)

### Practical:

1. Introduction of nuclear medicine service (2hour)
2. Practice (working with image samples) (4hour)

### Others:

1. Advisory hour (2hour)