



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

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|--------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------|---|----------------------------------|---|------------|---|
| Course Title | | Practice of Professional Practice | | | | | | | |
| Course Code | | TG206 | | Course Level | | Short Cycle (Associate's Degree) | | | |
| ECTS Credit | 7 | Workload | 179 (<i>Hours</i>) | Theory | 0 | Practice | 8 | Laboratory | 0 |
| Objectives of the Course | | The aim of this course is to gain knowledge and skills about the application of the machines in classroom and hospital conditions. | | | | | | | |
| Course Content | | MR Anjio Imaging, Advanced MRI Methods, Preparation for CT Imaging, Head and Neck CT Imaging, Vertebra CT Imaging, Thorax and Abdomen CT Imaging, Extreme CT Imaging, Advanced CT Imaging Methods | | | | | | | |
| Work Placement | | N/A | | | | | | | |
| Planned Learning Activities and Teaching Methods | | | | Explanation (Presentation), Demonstration, Discussion | | | | | |
| Name of Lecturer(s) | | Fatma KURTOĞLU, Ins. Adem KESKİN, Ins. Aslı ÇANAKÇI, Lec. Şengül ŞENTÜRK | | | | | | | |

Assessment Methods and Criteria

| Method | Quantity | Percentage (%) |
|----------------------|----------|----------------|
| Practice Examination | 1 | 110 |

Recommended or Required Reading

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| 1 | İnternet kaynakları: http://www.rtsstudents.com/radiology/history-of-radiology.htm \n İnternet resources |
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| Week | Weekly Detailed Course Contents | |
|------|---------------------------------|------------------------------------------------------|
| 1 | Practice | Dexa Device Applications |
| 2 | Practice | Dexa Device Applications |
| 3 | Practice | Dexa Screening Methods Applications |
| 4 | Practice | Ultrasonography Device Applications |
| 5 | Practice | Ultrasonography Device Applications |
| 6 | Practice | Neck and Surface Tissue Ultrasonography Applications |
| 7 | Practice | Abdominal Ultrasonography Applications |
| 8 | Practice | Abdominal Ultrasonography Applications |
| 9 | Practice | Thoracic Ultrasonography Applications |
| 10 | Practice | Thoracic Ultrasonography Applications |
| 11 | Practice | Pelvis Ultrasonography Applications |
| 12 | Practice | Pelvis Ultrasonography Applications |
| 13 | Practice | Endoscopic Ultrasonic Imaging Applications |
| 14 | Practice | Interventional Ultrasonography Applications |
| 15 | Practice | Practice Exam |

Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|---------------------------------------|----------|-------------|----------|----------------|
| Lecture - Practice | 14 | 0 | 8 | 112 |
| Assignment | 14 | 0 | 2 | 28 |
| Individual Work | 15 | 0 | 2 | 30 |
| Practice Examination | 1 | 1 | 8 | 9 |
| Total Workload (Hours) | | | | 179 |
| [Total Workload (Hours) / 25*] = ECTS | | | | 7 |

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

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|---|--------------------------------------------------|
| 1 | Making Preparations for DEXA Imaging |
| 2 | Making DEXA Display |
| 3 | Making Preparations for Ultrasonographic Imaging |



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|---|----------------------------------------------|
| 4 | Obtaining Neck and Surface Tissue USG |
| 5 | Obtaining Abdominal USG |
| 6 | Obtaining a Thoracic USG |
| 7 | Obtaining Pelvis USG |
| 8 | Obtaining Image with Special US Applications |

Programme Outcomes (Medical Imaging Techniques)

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | To be able to get information the working principles of Radiology, Nuclear Medicine and Radiotherapy devices, and distinguish their components, use these devices in accordance with operating instructions. |
| 2 | To be able to perform the procedures in accordance with the examination of Radiology and Nuclear Medicine imaging . |
| 3 | To be able to apply the radiotherapy treatment, planned by radiation physicist with instruction of radiotherapist. |
| 4 | To be able to develop and perform the film printing of the images that obtained by imaging techniques of Radiology, Nuclear Medicine |
| 5 | To be able to evaluate the images that obtained by imaging techniques of Radiology, Nuclear Medicine in terms of radiographic quality and takes the necessary measures. |
| 6 | To be able to know the medical and radiologic terminology, and pronounce and use them correctly |
| 7 | To be able to take the necessary measures in accordance with the rules of Radiation safety and protection from radiation, and apply them. |
| 8 | To be able to distinguish the anatomical structures on images, obtained by the conventional and cross-sectional imaging techniques of Radiology, Nuclear medicine. |
| 9 | To be able to communicate well with patient, their family and the hospital staff. |
| 10 | To be able to move with own professional duties, powers and responsibilities of the consciousness and apply the rules of professional ethics. |
| 11 | To be able to adapt to a multi-disciplinary team work. |
| 12 | To be able to have a basic knowledge of human physiology. |
| 13 | To be able to distinguish anatomical structures. |
| 14 | To be able to establish a cause-and-effect relationship between events. |
| 15 | To be able to have the ability of analytical thinking and problem solving. |
| 16 | To be able to apply the basic principles of first aid. |
| 17 | It has basic knowledge about human anatomy |
| 18 | Understanding the basic concepts and principles of physics while providing, in the medical field and in particular medical imaging students better understand the issues involving technical vocational courses |
| 19 | OHS 'basic concepts; work accidents, occupational diseases, occupational physicians, occupational safety specialist, İSGB, OSGB, hazard classes, risk assessment, OHS employee representatives is |
| 20 | Have basic knowledge about basic medical practices and makes applications |

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 |
|-----|----|----|----|----|----|----|----|----|
| P1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P7 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P10 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P11 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P14 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P15 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

