

# MEDICAL INFORMATICS

## (PHASE 4)

### LEARNING AIM(S)

1	In this course, it is aimed that the students learn about the different electronic record keeping principles and systems in health institutions.
2	In this course, it is aimed that students learn the importance of health information systems in terms of health institutions management.

### LEARNING OBJECTIVE(S)

1	To be able to explain the development and characteristics of health information systems.
2	To be able to examine the content and structures of health records, to be able to use data collection rules and data quality assurance methods.
3	To be able to explain the classification of diseases and coding systems, coding stages, and to be able to evaluate the factors affecting coding quality.
4	To be able to define database basic concepts, benefits of database management system, database design, Oracle database data types and to be able to apply basic SQL commands.
5	To be able to recognize the departments that make up hospital information systems, and to be able to explain their purpose and importance.
6	To be able to explain the stages of hospital information system development and to be able to evaluate the establishment of the hospital information system.
7	To be able to explain electronic health applications, usage areas, e-health applications in Turkey and European Union member countries.
8	To be able to explain the concept of ethics in health, undertake the obligation to keep health records, and to be able to explain the importance of confidentiality, security, and privacy of records.

### INTENDED LEARNING OUTCOME(S)

1	Can explain the development and characteristics of health information systems.
2	Can examine the content and structures of health records, can use data collection rules and data quality assurance methods.

3	Can explain the classification of diseases and coding systems, coding stages, and can evaluate the factors affecting coding quality.
4	Can define database basic concepts, benefits of database management system, database design, Oracle database data types and can apply basic SQL commands.
5	Can recognize the departments that make up hospital information systems and can explain their purpose and importance.
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7	Can explain electronic health applications, usage areas, e-health applications in Turkey and European Union member countries.
8	Can explain the concept of ethics in health, undertake the obligation to keep health records, and can explain the importance of confidentiality, security, and privacy of records.