

SYLLABUS
Vocational School

Course Code	Course Title		Credits	ECTS Value
SKİ 204	Hospital Information Systems		(1-1-2)	8
Prerequisite Courses:	None			
Course Language:	Turkish	Course Delivery Mode:	Face-to-face	
Course Type and Level:	Compulsory / Spring Semester / Associate Degree			
Instructor's Title, Name, and Surname		Course Hours	Office Hours	Contact
Lecturer Şeyda ÇAVMAK		2	Monday 13:00–16:00	seydacavmak @cag.edu.tr
Course Coordinator:	Lecturer Şeyda ÇAVMAK			
Course Objectives				
Course Learning Outcomes	Upon successful completion of this course, the student will be able to;		Relations	
			Program Outcomes	Net Contribution
	1	Understand the field of health informatics and hospital information systems.	5	5
	2	Comprehend the working logic and purposes of HIS.	1	4
	3	Identify electronic health and disease records, and HIS modules.	5	4
	4	Analyze HIS data and use them in planning, management, and decision-making processes of health services.	5,8	4,4
	5	Recognize and use systems such as MEDULA, E-Nabız, TSİM, Telemedicine.	5,7	5,3
	6	Develop awareness regarding confidentiality and security of health data.	7	4
7	Understand the field of health informatics and hospital information systems.	5	5	
Course Content:	Development of computer use in hospitals; structure, functions and modules of hospital information management systems; patient registration systems; laboratory and pharmacy information systems; finance, material and personnel management systems; MEDULA, E-Nabız, Telemedicine applications; data security and patient privacy.			
Course Schedule (Weekly Plan)				
Week	Topic	Preparation	Teaching Methods and Techniques	
1	Introduction, sharing expectations regarding the course	Students will write down their expectations and prepare a short self-introduction paragraph.	Lecture, brainstorming, written expression	
2	Concept of HIS, historical development of information & management systems	Short research	Lecture, discussion	
3	Aims and functions of HIS	Reading: Hospital Information Systems Book. Ch.1	Lecture	

4	HIS integrations and modules	Reading: Ministry of Health Guide.	Lecture, Q&A
5	Outpatient treatment module	Book, Ch.2	Lecture, case analysis
6	Inpatient treatment module	Book, Ch.3.	Lecture, case analysis
7	Guest lecturer (Medisoft HIS) – Experience sharing	Preparing at least two questions for the guest speaker.	Guest experience, panel, Q&A
8	Midterm Exam		
9	Midterm Exam		
10	Laboratory information system	Book, Ch.4	Lecture, role-play
11	Reporting and statistics modules	Research hospital reports	Report presentation, discussion
12	DRG (Diagnosis Related Groups) / Payment mechanisms in health services	Article review	Article analysis
13	E-Nabız, Telemedicine, PACS	MoH Guide	Lecture, case analysis
14	HIS application examples	Case study	Practice, discussion
15	HIS application examples	Case study	Practice, discussion
16	Guest Lecturer – Sharing Experiences (HIS–MEDULA processes)	Preparing at least two questions for the guest speaker.	Guest experience, interview, Q&A
17	Final Exam		
18	Final Exam		

Course Resources

Textbook:	Atatürk Üniversitesi (2019). Hastane Bilgi Sistemleri.
Recommended References:	Güncel akademik makaleler ve Sağlık Bakanlığı kılavuzları.

Course Assessment and Evaluation

Activities	Number	Percentile	Notes
Midterm Exam	1	%30	Written exam
Case Analyses / Article Reports / Class Participation	1	%20	Active participation in discussions, group work, activities
Final	1	%50	Comprehensive exam

ECTS Table

Content	Number	Hours	Total
Course Duration	14	2	28
Out-of-Class Study	14	3	42
Case analyses	20	4	80
Class discussions & article reports	10	4	40
Midterm Exam (Midterm Exam Duration + Midterm Exam Preparation)	1	16	16
Final Exam (Final Exam Duration + Final Exam Preparation)	1	25	25

Total:	231
Total / 30:	$231 \div 30 \approx 7.7 \approx 8$
ECTS Credit:	8

Evaluation Rubrics

Case Analysis Evaluation Rubric (0–100 Points)

Scope: Article reports and Case Analysis reports

Weight in Semester Evaluation: 20%

Criterion	Description	Score Range (%)
1. Content and Conceptual Understanding	The report accurately summarizes the article, film, or field observation; establishes connections with health management and hospital concepts covered in class.	0–30
2. Analysis and Critical Thinking	The student evaluates observed events/film scenes/article topics with a critical perspective; explains cause-and-effect relationships; provides solutions or comments.	0–35
3. Structure and Organization	The report is prepared in a logical order; titles, paragraphs, and audiovisual materials (if any) are used appropriately.	0–15
4. Writing and Language Use	The report complies with spelling, grammar, and academic style rules; uses clear and fluent language.	0–10
5. Use of Sources and References	Articles, lecture notes, or other academic sources are properly cited; conforms to APA style.	0–10

In-Class Discussion and Participation Rubric (0–100 Points)

Criteria	Description	Point Range (%)
1. Frequency of Participation	Student attends regularly and actively engages in discussions.	0–25
2. Quality of Ideas and Contribution	Contributions are constructive, relevant, conceptually grounded, and provide new perspectives.	0–35
3. Listening and Collaboration	Listens carefully to peers' opinions, responds respectfully; demonstrates collaboration in group work.	0–20
4. Questioning and Critical Thinking	Asks questions that deepen discussions and encourage critical thinking.	0–20