

**SYLLABUS**  
**Vocational School**

Course Code	Course Title		Credits	ECTS Value
TDS 214	Hospital Information Systems		(2-0-2)	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.	8	5
	2	Comprehend the working logic and purposes of HIS.	8,2	5,4
	3	Identify electronic health and disease records, and HIS modules.	8,3	5,4
	4	Analyze HIS data and use them in planning, management, and decision-making processes of health services.	8,6	4,4
	5	Recognize and use systems such as MEDULA, E-Nabız, TSİM, Telemedicine.	8,4	5,4
	6	Develop awareness regarding confidentiality and security of health data.	7	4
	7	Understand the field of health informatics and hospital information systems.	8	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

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

#### Course Assessment and Evaluation

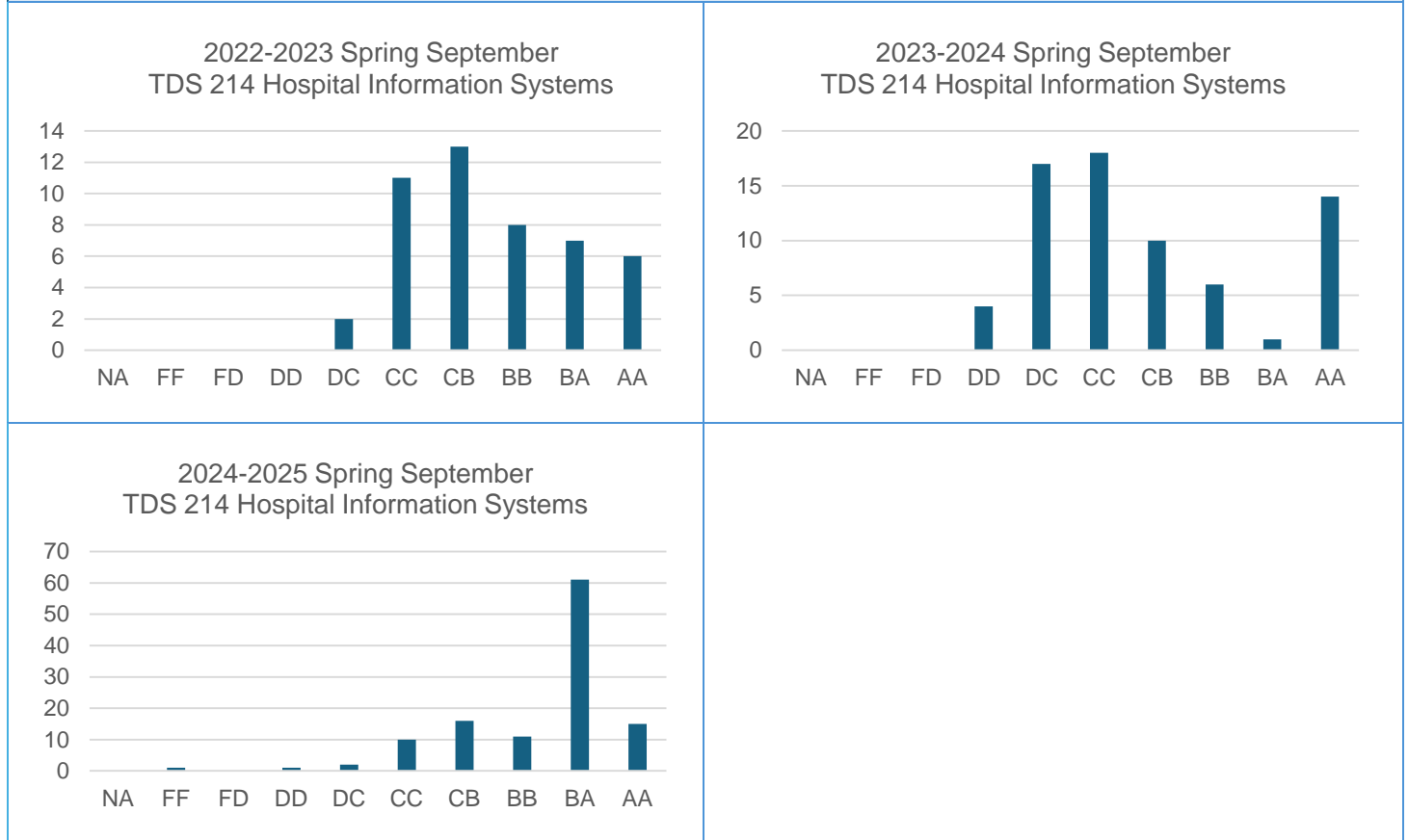
Activities	Number	Percentile	Notes
Midterm Exam	1	%30	Written exam
Case Analyses / Article Reports / Class Participation	1	%20	Active participation in discussions, group work, activities
Final	1	%50	Comprehensive exam

#### 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

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

#### Past Term Achievements



#### 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 (%)
<b>1. Content and Conceptual Understanding</b>	The report accurately summarizes the article, film, or field observation; establishes connections with health management and hospital concepts covered in class.	0–30
<b>2. Analysis and Critical Thinking</b>	The student evaluates observed events/film scenes/article topics with a critical perspective; explains cause-and-effect relationships; provides solutions or comments.	0–35
<b>3. Structure and Organization</b>	The report is prepared in a logical order; titles, paragraphs, and audiovisual materials (if any) are used appropriately.	0–15
<b>4. Writing and</b>	The report complies with spelling, grammar, and academic	0–10

<b>Language Use</b>	style rules; uses clear and fluent language.
<b>5. Use of Sources and References</b>	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 (%)
<b>1. Frequency of Participation</b>	Student attends regularly and actively engages in discussions.	0–25
<b>2. Quality of Ideas and Contribution</b>	Contributions are constructive, relevant, conceptually grounded, and provide new perspectives.	0–35
<b>3. Listening and Collaboration</b>	Listens carefully to peers' opinions, responds respectfully; demonstrates collaboration in group work.	0–20
<b>4. Questioning and Critical Thinking</b>	Asks questions that deepen discussions and encourage critical thinking.	0–20