

Course #	457.659	Lecture #	001	Title	Construction Information Management Systems	Credit	3.0
Lecture	Monday 2-5pm (35-514)						

Lecturer	Name: Prof. Seokho Chi	
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Course Objectives	<ul style="list-style-type: none"> Identify and differentiate information management systems that can be used to support project management in the construction industry Design and develop desktop database management applications Recognize the design and implementation issues for information management systems in construction Analyze, evaluate, and recommend information management systems for construction owners, contractors, and project managers
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Textbook and References	<ul style="list-style-type: none"> Textbook <ul style="list-style-type: none"> Lecture slides and handouts Any manual for Microsoft Access or Microsoft SQL Server References <ul style="list-style-type: none"> Rob, P. and Coronel, C. (2004) Database Systems: Design, Implementation, and Management Turban, E., McLean, E., and Wetherbe, J. (2004) Information Technology for Management
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Assessment	Attendance	Individual Homework	Group Project	2/3 Term Exam	TOTAL
	5%	25%	40% (5%, 10%, 20%, 5%)	30%	100%

Note	<ul style="list-style-type: none"> English lecture, presentation, and assignment Ready for intensive group assignment - Teamwork and active participation are required Still flexible lecture contents The course is necessarily focused, and therefore selected material is left out. Students may pick up a greater depth as necessary in related courses in CS, EE in management information systems, databases, web technologies, information sciences, and decision support systems.
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Cheating and Plagiarism	<ul style="list-style-type: none"> 0% for the given assessment item without any excuse Penalty by SNU's regulations
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Detailed Lecture Schedule	Week (Date)	Lecture Contents	Others
	Week 1 (9.4)	Course Introduction Project Information Systems	
	Week 2 (9.11)	Individual Journal Presentation Systems Analysis and Design	ppt: Both hard and softcopies
	Week 3 (9.18)	Database Management Systems Data Modeling	
	Week 4 (9.25)	Relational Databases ER Model, Normalization	
	Week 5 (10.2)		Thanks Giving Holidays
	Week 6 (10.9)		Hangle-Nal
	Week 7 (10.16)	Lab: Database, Tables, Forms Lab: Table Relationships, Queries, Reports Lab: Application Switchboard, Marcos, Startup Settings	35-223 Group Project: Deliverable 1 Due
	Week 8 (10.23)	Database Design Introduction to SQL	Individual Homework #1, #2 Due
	Week 9 (10.30)	Group Project Presentation: Phase I	Group Project: Deliverable 2 Due
	Week 10 (11.6)	Lab: Command Bars Lab: Forms and Reports Lab: Automating Applications	35-223
	Week 11 (11.13)	Data Management: Warehousing, Analyzing, Mining	Individual Homework #3, #4 Due
	Week 12 (11.20)	2/3 Term Exam	
	Week 13 (11.27)	Web Technologies E-Business and E-Commerce Mobile and Pervasive Computing Knowledge Management Product and Process Modeling	
	Week 14 (12.4)	Construction Information Integration Supply Chain Management and ERP	
Week 15 (12.11)	Group Project Presentation: Final	Group Project: Deliverable 3 Due	