ΗΥ 351: Ανάλυση και Σχεδίαση Πληροφοριακών Συστημάτων	Outline		
Requirements <u>Gathering</u>	Requirements Gathering Techniques Interview Joint Application Development Questionnaires Document Analysis Observation • [Selecting the Appropriate Technique]		
Date : 18-10-2005 University of Crete, Fall 2005	U. of Crete, Information Systems Analysis and Design Yannis Tzitzikas, Fall 2005 2		
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	Interviews		
Interviews	The five steps:[1] Selecting interviewees[2] Designing interview questions[3] Preparing for the interview[4] Conducting the interview[5] Post-interview follow-up		



[1] Selecting interviewees

- · Based on information needed
- Often good to get different perspectives
 - Managers
 - Users
 - Ideally, all key stakeholders
- one-one-one (one interviewer, one interviewee)
 - sometimes one-on-many (if there are time constraints)

[1] Selecting interviewees (cont)

Create an interview schedule

Name	Position	PurposeOfInteview	Meeting
Manousos	Director	Strategic vision for the new system	Mon, Oct 17, 9-10 AM
Maria	Resp. Sales	Current Situation/Problems Ideas for improvements	Mon, Oct 17, 12-2 PM
Sofia	Production Mgr	How production is planned?	Mon, Oct 17, 3-4 PM

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 [2] Designing interview questions: Types of Questions Closed They require a specific answer (like multiple choice or arithmetic questions) Open 	[2] Designing interview questions: <u>Types of Questions: Examples</u> • Closed - How many orders do you receive per day? - How many customers you have? - How customers place orders?
 - they leave room to the interviewee to tell more Probing (διερευνητικές, πιο εστιασμένες) - used when some of interviewee's answers are unclear to you 	 Do the customers have complaints? Open Which are the problems with the current system? How do you think the situation could be improved? Probing Can you give me an example? Why this is a problem according to your opinion? Why the solution X did not work? Why a solution like THIS will not not work?
U. of Crete, Information Systems Analysis and Design Yannis Tzitzikas, Fall 2005 9 Designing interview questions	U. of Crete, Information Systems Analysis and Design Yannis Tzitzikas, Fall 2005 10 Designing interview questions: the sequence of Questions
 Unstructured interview Broad, roughly defined information Usually at the beginning of the project Structured interview More specific information As the project proceeds 	 The questions should be logically organized Strategies top-down from general issues to specific issues bottom-up from specific issues to general issues
An important tip: – Don't ask about information that you can get from other sources (e.g. by studying documents)	 Γενικό: Πως μπορούμε να βελτιώσουμε την διεκπεραίωση των παραγγελιών;

Μεσαίο: Πως μπορούμε να μειώσουμε τις επιστροφές προϊόντων από τους πελάτες;
 Ειδικό: Πως μπορούμε να μειώσουμε τα λάθη στην αποστολή προϊόντων;





- postpone the discussion and move on (name it "open issue")
- Use humor
- but in context

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Synopsis		Reading and References			
 There are five major information gath analysts must be able to use: Intervie Analysis, and Observation. Systems analysts must also know ho how to combine methods. 	iering techniques that all syste ws, JAD, Questionnaires, Doc w and when to use each as we	ems ument ell as	 Systems Analysis and Design with UML M. D. Tegarden, Wiley, 2005. CHAPTER 5 Systems Analysis and Design, Kendall & I Object-Oriented Systems Analysis and D McRobb, R. Farmer, McGraw Hil, 2002, CH, Joint Application Development : http://www.carolla.com/wp-jad.htm http://www.utexas.edu/hr/is/pubs/jad.htr 	Version 2.0 (2nd edition) by A. Dennis, B. Ha Kendall, Prentice-Hall, 2005. CHAPTER 4 & 5 esign Using UML (2nd edition) by S. Bennet APTER 6 nl	ey Wixom, ; t, S.
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