Objective:
Perform some knowledge engineering for adaptation.

What to do:
The attached documents contains parts of the 2001 and 2003 MS-CS degree programs and 3 pairs of student course histories. Assume that the system will need to recommend courses to the second student in each pair based on the course history of the first.
We will consider this as a case adaptation problem. Assume for the sake of the exercise that (i) we have no other cases to work with other than the first item of the pair, and (b) all of the adaptation knowledge will be in the form of if-then rules.
- For each case, what is a reasonable recommendation to make?
- In order to arrive at this recommendation, what knowledge is necessary? Categorize this knowledge as domain knowledge (about the specifics of this task) and more abstract knowledge (about planning and recommending in general).

What to turn in:
- One student will be responsible for creating a web page containing the outcome of our brainstorming session.

Special DL instructions:
You will have to perform this exercise on your own. Produce a 2-3 page document detailing your answers to the questions above. I encourage you not to view the in-class discussion until you have a draft of your own answers. Then, observe the discussion and see if any new ideas or issues are raised. Your document is due 5/12.
## MS CS 2001

- **CSC 215**: Introduction to Structured Programming using C++
- **CSC 310**: Principles of Computer Science I
- **CSC 225**: C++ for Programmers
- **CSC 323**: Data Analysis and Statistical Software I
- **CSC 343**: Introduction to Operating Systems
- **CSC 345**: Computer Architecture
- **CSC 415**: Foundations of Computer Science I
- **CSC 416**: Foundations of Computer Science II
- **CSC 417**: Foundations of Computer Science III
- **CSC 447**: Concepts of Programming Languages
- **CSC 491**: Design and Analysis of Algorithms
- **SE 455**: Software Development Methods

## MS CS 2003

- **CSC 211**: Programming in Java I
- **CSC 212**: Programming in Java II
- **CSC 224**: Java for Programmers
- **CSC 309**: Object-Oriented Programming in C++
- **CSC 343**: Introduction to Operating Systems
- **CSC 345**: Computer Architecture
- **CSC 415**: Foundations of Computer Science I
- **CSC 416**: Foundations of Computer Science II
- **CSC 447**: Concepts of Programming Languages
- **CSC 491**: Design and Analysis of Algorithms
- **SE 450**: Object-Oriented Software Development Methods

### DB Concentration

#### Level I
- **CSC 449**: Database Technologies
- **CSC 451**: Database Design
- **CSC 452**: Database Programming
- **CSC 453**: Client/Server Database Development

#### Level II
- **CSC 549**: Advanced Database Systems
- **CSC 550**: Object-Oriented Databases
- **CSC 551**: Distributed Database Systems
- **CSC 589**: Topics in Databases
- **ECT 584**: Web Data Mining for Business Intelligence
- **DS 575**: Intelligent Information Retrieval
Student 1 MS/CS 2002

Autumn 2002  CSC 211   B
Autumn 2002  CSC 415   B-
Winter 2003  CSC 212   C
Winter 2003  CSC 309   C
Spring 2003  CSC 212   B
Spring 2003  CSC 447   B+
Autumn 2004  CSC 309   B
Autumn 2004  CSC 416   B

Student 2 MS/CS 2004

Autumn 2004  CSC 211   B
Autumn 2004  CSC 415   B-

Recommend Winter 2004

Student 3 MS/CS 2001

CSC 323   Waived
Autumn 2001  CSC 215   A
Autumn 2001  CSC 415   A
Winter 2002  CSC 310   A
Winter 2002  CSC 416   A-
Spring 2002  CSC 343   B+
Spring 2002  CSC 345   B
Autumn 2002  CSC 417   A-
Autumn 2002  CSC 447   A
Winter 2003  CSC 491   B
Winter 2003  SE 455   A-

Student 4 MS/CS 2003

CSC 309   Waived
Autumn 2003  CSC 224   A
Autumn 2003  CSC 415   A
Winter 2004  CSC 343   B+
Winter 2004  CSC 345   B
Spring 2004  CSC 416   A-
Spring 2004  CSC 447   A

Recommend Autumn 2004
Student 5 MS/CS (DB)

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Recommend Autumn 2004 (CSC 589 not being offered)

Student 6 MS/CS (DB)

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