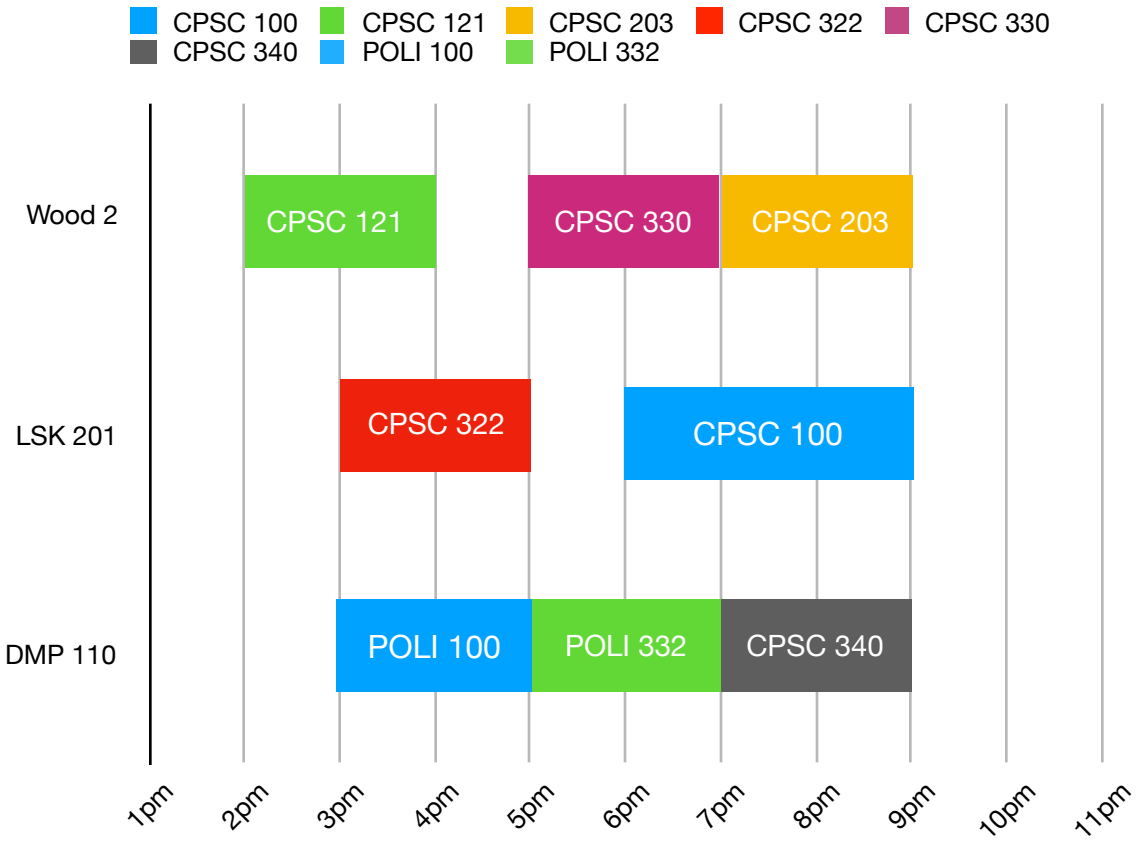
CPSC 322: Introduction to Artificial Intelligence (Section 2)
Constraint Satisfaction Problems: Variables, domains, and constraints
Do this exercise in pairs. If there's an odd number, do it in a group of 3.
Submit the sheet before leaving.

Name of Student (last, first)	Student Number

Scheduling is a popular and important constraint satisfaction problem. It is used in many industries and makes many multi-million dollar decisions.

In this activity we'll look at a simple example of scheduling. Given a list of 8 courses to be taught, 3 classrooms available, and 10 start times, how can you schedule these courses? An example schedule is given below.



Courses to be taught: CPSC 100, CPSC 121, CPSC 203, CPSC 322, CPSC 330, CPSC 340, POLI 100, POLI 332
Classrooms: Wood 2, LSK 201, DMP 110
Start times: 1pm, 2pm, 3pm, 4pm, 5pm, 6pm, 7pm, 8pm, 9pm, 10pm

Fill in the table below with the variables, domains, and possible worlds.

	Description	How many?	Example
Variables			
Domains			
Possible worlds			
Possible constraints			