Matching Algorithm and tagging

1. Tag Special cases

* no children
* no relationship

1. Tag Rules

* no 3 consecutive classes
* no more than 21 units (full time)
* no more than 12 units (part time)
* no more than 15 units Undergrad
* no more than 8 hours

1. Tag Faculty

* Shows the Faculty name from the database
* Shows the faculty availability from the database
* Shows the teaching history from the database (Term number and school year)

1. Tag Course

* Shows the courses offered
* Shows also the units/unit

Machine Language Learning

* Meaning, Different algorithms will be implemented when specific criterions are being tagged.

MATCHING AND ASSIGNING OF LOADS

Matching will be based on the specialization inputted by the faculty head which will be matched to the course offerings.

RULES AND RESTRICTIONS

**Special Cases**

No children algorithm  
 - Search algorithm to check for last name in the student’s database (String Matching)

No relationship algorithm

**Rules**

No 3 consecutive classes

- if the end of the 1st class is equal to the start of 2nd class { else

- if the end of the time of 2nd class is equal to the start of the 3rd class then Can’t teach.

}

Full time

-Loops the matching until the units of a professor is 21

Part time

--Loops the matching until the units of a professor is 21

Undergrad

- Loops the matching until the units of a professor is 15