They recommend not to take more than 250% coursework but honestly less than 350% is doable.

- Biosensors and Bioelectronics:
    - Great exam coursework split
    - Coursework (50%): Select or propose 1 topic
        - 10 minute presentation: super easy
            - Can be done in a night and is to help with lit review
        - Literature review (2000 words)
            - I did it in a single night
            - With proper planning it is simple
            - Good practice for fyp and other subjects with lit reviews
    - Exam (1 hour):
        - Typical three questions (super easy to get a 2.1)
        - 1 simple math question and explanation of simple equation
        - 1 question on application of one sensor
        - 1 question on potential use of tech on sensor
- Biomimetics:
    - Good for increasing coursework percentage
    - Coursework (100%): Select or propose 1 topic
        - Jumping robot and poster (20%)
            - Super easy
            - See previous robot design
            - Poster takes less than an hour to make
        - Lit review (80% and 2000 words)
            - You choose your own topic
            - Can be done in 2 days
- Electric Vehicle Design:
    - Good for increasing exam percentage
    - Coursework (25%): This one sucks, but is mostly doable. No other way to put it.
        - Matlab script: simulate electric vehicle going around a track and try to achieve given specifications
            - First part is easy
            - Even the team bath racing people struggled
        - Report (1500-2000 words):
            - The less words the better
            - Reliant on matlab
    - Exam (75%): easiest exam I've taken except for last question.
        - Mostly 2 mark questions direct from notes
        - Easy to get 2.1
        - Last question is open ended and difficult but the exam is long enough where it is not a problem
- Computational Intelligence
    - Great for employability and python experience
    - Coursework (100%)

    - Coursework A (20%): make a perceptron model
        - Neural network is simple and easy
        - Small report
    - Coursework B (20%): make genetic algorithm
        - Small report as well
    - Coursework C (60%): classify brainwave data however you'd like
- Energy and the Environment
    - Very easy
    - Coursework (100%)
    - 2000 word literature review on countries power considerations

Course	Difficulty	Coursework%	Exam%
Digital image processing	Medium	20	80
Computational intelligence	Medium	100	0
Radar systems and remote sensing	medium	0	100
Power electronics and machines	Medium	0	100
Biosensors and bioelectronics	Easy	50	50
Satellite based navigation systems	Medium	0	100
Advanced microelectronic system design	Hard	50	50
Electric vehicle design	Medium	25	75
Advanced electronic materials	Medium	50	50
Energy management systems and power system protection	Unknown	0	100
Advanced Control	Very hard	0	100
Energy and the Environment	Easy	100	0
Modelling and analysis of manufacturing systems	Easy – Medium (for some hard)	100	0
Fluid Power	Hard	20	100
Biomimetics	Easy	100	0
System Modelling and Simulation	Unknown	100	0