

Coursework brief

Module title: Introductory Biochemistry

Module code: LIPCF023

Task: Produce a leaflet that informs the public of the role a high fat, high sugar diet plays in the development of obesity and related health problems

The leaflet should:

- Be directed to the general public
- Provide information detailing how a high fat diet contributes to type-2 diabetes through obesity
- Provide information regarding the cause of the condition and current treatment options (medical treatments and life-style changes)
- Refer to data acquired in the lab to substantiate any argument put forth regarding the link between diet and obesity

Assessment weighting: 50%

Learning outcomes: At the end of this assessment, students should be able to:

- 1. Demonstrate an understanding of some fundamental biochemical processes within the cell and associated disorders**

Key dates

Task timeline	Date
Coursework brief released	Week 2
Submission of preliminary work on pathophysiology of obesity	Week 3
Group feedback on preliminary work	Week 5
Final course work deadline	Week 6 Friday 18th February 9am
Mark release & Feedback	Week 8

Final copy should be handed in on Turnitin before 9 am

Instructions for students

Word limit: 800 words (+/- 10%)

Contains non-copyright and royalty free images

Contains a maximum of six references, two of which **must** be from an academic journal

Your reference list should be on a separate page to your leaflet.

At the end of your leaflet, you should include the source of your information in a form understandable by the general public.

Cover page with P number, Module code and title (no names should be provided) , which should be a separate page from the leaflet.

Preliminary task details

Write and submit a draft of approximately 200 words, that explains the pathophysiology behind how a high sugar & high fat diet contributes to obesity and health related problems.

Submission deadline is week 3 Friday

General group feedback and discussion will be given on this in week 5 tutorials

Marking criteria

Section	Marking criteria	Attainable score
Introduction	Student has given a clear and concise introduction detailing the background information regarding the topic, and any details pertaining to the assignment.	10
Molecular basis of the disease	Student has correctly and accurately described the basis of the disease in a form communicable to the general public, which includes: <ul style="list-style-type: none"> • Information showing how a high fat, high sugar diet is linked to obesity (20 marks) • Makes the link between obesity and associated health problems (up to 15 marks) • Has made a link to data acquired in the lab (up to 5 marks) 	40
Current treatment of the disease	Student has correctly: <ul style="list-style-type: none"> • Explained the treatment of this disorder with a list of possible medicines and therapies, including life-style changes (up to 10 marks) • Made a link between treatments to obesity and related health problems (up to 5 marks) • Has described the effect on public health if condition is left untreated (up to 5 marks) 	20
Future Treatments	Student has given insight into future therapies and linked these to the development of obesity	10
Visual Impact	Student has used relevant illustration with a display of creativity and use of appropriate font type and size	10
Structure	Correct spelling, punctuation and grammar used throughout as is expected in HE.	10
Total		100