



lyit

Institiúid
Teicneolaíochta
Leitir Ceanáin

Letterkenny
Institute
of Technology

**Department of Business Studies
Information Booklet**

**Certificate in
Mainframe Technologies
(Online)**

(Level 8, 35 ECTS)

September 2021



USEFUL CONTACTS

Mr Michael Carey	Lecturer	michael.carey@lyit.ie
Ms Christine McCabe	Faculty of Business Administrator	christine.mccabe@lyit.ie
Blackboard / IT Services	(00353) 74 9186050	helpdesk@lyit.ie
Flexible & Online Learning Unit		Flexible.online@lyit.ie

PROGRAMME SCHEDULE

Online classes will commence with an introductory lecture on Monday 20th September from 6-7pm. 'Live' online classes will run every Wednesday evening from 6-9pm. These will be supported with drop-in online clinic sessions each Monday evening from 6-7pm starting September 28th.

Monday	6-7pm	Drop-in Clinic
Wednesday	6-9pm	Live classes

New material will be made available every Monday evening at 7pm and will be discussed during the Wednesday evening class.

Students will complete the following modules:

- Mainframe Application Development 1 (COBOL)
- Mainframe Application Development 2 (COBOL/ DB2/ CICS)
- Mainframe Application Development 3 (PL/I)

The programme will finish with the completion of an Applied Work Based Learning Project

GETTING STARTED - REGISTRATION

You will have received information by email from LYIT explaining how to register for your programme with the logon details provided: visit www.lyit.ie, click on 'Student Hub' and then choose 'Online Registration'.

GETTING STARTED – ONLINE LEARNING PLATFORM (BLACKBOARD)

Blackboard is the online learning platform used by LYIT's distance learning students to access course material and participate in classes online. To access Blackboard visit <https://lyitbb.blackboard.com/> and use the logon details sent to you via email.

Detailed instructions on 'getting started with blackboard' are available at <https://www.lyit.ie/Student-Hub/Campus-Services/Computer-Services/Blackboard>. We strongly recommend that you familiarise yourself with the Blackboard platform before classes commence.

PROGRAMME OVERVIEW

The Certificate in Mainframe Technologies enables students to develop core competencies and skills in mainframe technologies. The course will develop a very employable skill set in mainframe technologies and business systems with a strong emphasis in application development using the business languages COBOL and PL/I. These skills are transferable throughout the wider computing industry.

Key Features:

- Level 8 Programme
- Blended and flexible mode of delivery
- Full access to IBM Mainframe services
- Strongly aligned with industry jobs
- Personal and supportive approach to teaching and learning
- Skill base is transferable throughout the wider financial technology and general financial services areas

Having completed this programme learners will be able to:

1. Adapt the use of the mainframe utilities JCL, TSO, ISPF, SDSF, and their effectiveness with the COBOL (both batch and on-line CICS) and PL/1 programming environment.
2. Design, configure and implement a DB2 environment, facilitating the integration of this database technology to the programming environment using imbedded SQL code.
3. Design and program extensively using the business language COBOL (Common Business Oriented Language).
4. Design and program extensively using the programming language PL/1 (Programming Language One)

LYIT is one of the only 3rd level institutions currently delivering programmes in mainframe technologies. In the most recent Master of the Mainframe competition (the largest global student mainframe competition) which is open to all Higher Education Institutions, LYIT was the only HEI in the UK and Ireland category. In fact, LYIT is the most successful HEI in the UK and Ireland category to date. *“Congratulations as once again you have the largest number of Part 1,2 & 3 Finishers. Keep up the good work with championing Master the Mainframe!”*, Sue Wyatt, Operations Manager, IBM z Systems Software, Jan 2019.

We wish you well with your studies. Don't hesitate to contact us if you have any queries.

Netiquette



A Guide to Support Respectable and Polite Online Behaviour for Students

Introduction

“As we embrace core teaching and learning online, it is important that we contribute to a safe, respectful and connected online learning community.”



“This guide promotes online behaviour that contributes to a positive and constructive online working and learning space of mutual respect.”

Online Behaviour

More and more **interactions** are taking place online. Developing a good sense of 'Netiquette' to ensure your online behaviour is **respectful**, **supportive**, **welcoming** and **inclusive** is a must in the modern world.

Be Responsible Online



General Etiquette



Messaging Etiquette



Email Etiquette



Discussion Etiquette



Live Class Etiquette

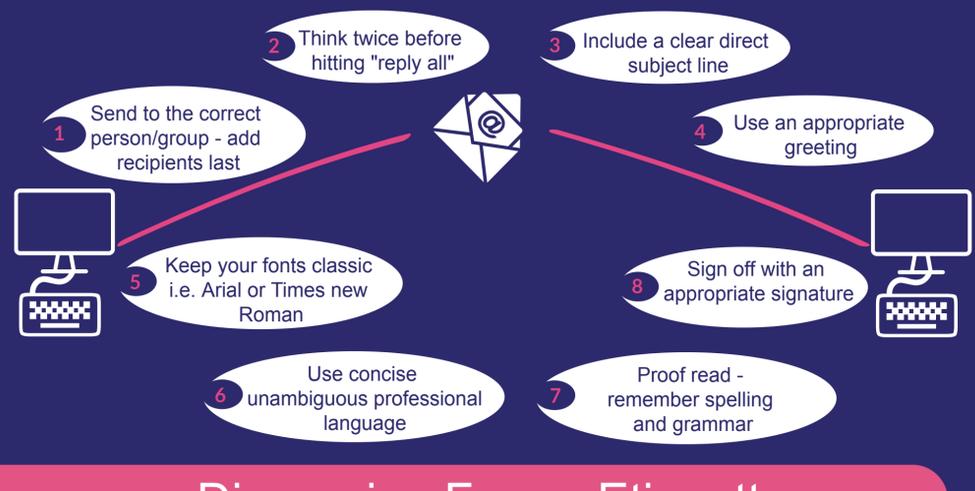
General Etiquette



Messaging Etiquette

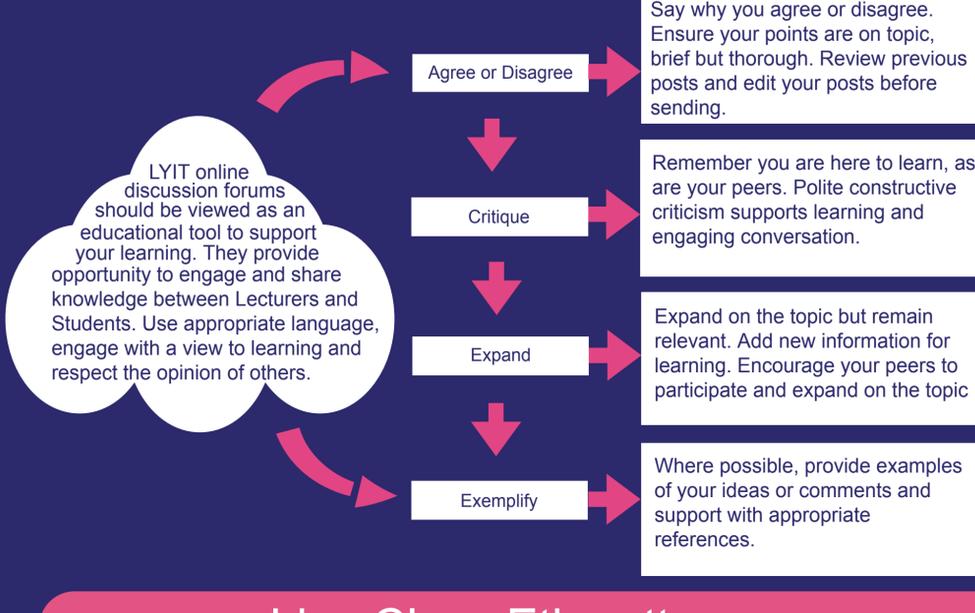


Email Etiquette



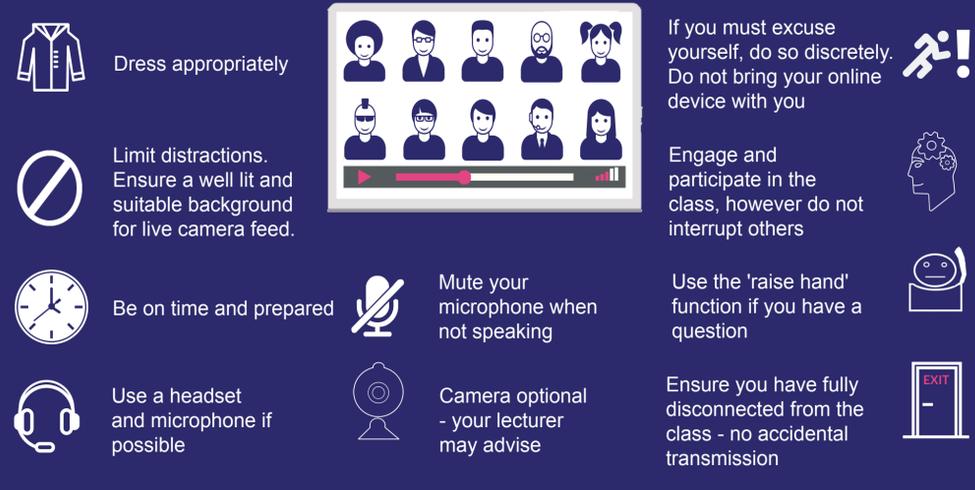
Discussion Forum Etiquette

Bring all your good online etiquette already highlighted into your discussion forum also.



Live Class Etiquette

Incorporate the online etiquette highlighted in previous sections with the live online class etiquette detailed below.



Review and Support

Students should feel **welcome** and **respected** engaging online. Good online etiquette is **expected** of all LYIT Students. For the benefit of yourself, your peers and lecturers, please ensure your **online etiquette** meets expectation.

Serious or continual displays of inappropriate etiquette will be challenged. Instances of online bullying or harassment will not be tolerated. LYIT's Acceptable Usage policy can be accessed [here](#) and LYIT's Respect and Dignity policy can be accessed [here](#)

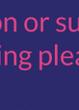
For further Information or support on etiquette and general online wellbeing please see the links below;



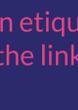
Student Handbook



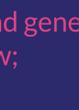
Student Support Services



LYIT Being well Living Well



Spunout.ie - Online Wellbeing



Spunout.ie - Online Safety



Spunout.ie - Cyberbullying



Student Information and Support

Inspiring you to succeed

Online Exam Tips

Tips and advice for students preparing to complete online Exams.

[Click here to Access](#)



Guide to Academic Integrity

Familiarity with traditional forms of plagiarism and emerging trends helps students develop original thinking skills and do their best original work.

[Click here to Access](#)



Online Etiquette Guidelines

A Guide to Support Respectable and Polite Online Behaviour for Students

[Click here to Access](#)



Studiosity

An online 24/7 academic writing and connect live support service for LYIT students. (Currently available to all first year and postgraduate students). Support is provided for academic writing and Maths and Science.

[Click here to Access](#)



Blackboard Ally

Blackboard Ally is a tool embedded in LYIT's LMS that supports universal design and accessibility while improving student experience. Blackboard Ally allows students to download course content in alternative formats.

[Click here to Access](#)



Blackboard Student Support Module

This module supports students with the online platforms used within LYIT. These online platforms are how lecturers distribute course material, facilitate online classes, collect assignments and implement online assessments.

[Click here to Access](#)



Profile Pictures and Email Signatures

Guidance and direction for uploading profile pictures to the various platforms used within LYIT are provided. Guidance and direction for creating your email signature is also provided.

[Click here to Access](#)



[Click here to Access](#)



Student Handbook

The Students' Handbook is your reference guide to the facilities and supports in the Institute. Details of the various student support services are outlined within, including student policies and procedures and general information.

[Click here to Access](#)



Student Services & Support

Creating a nurturing and caring environment for all students is central to LYIT culture. As a student you have access to health services, academic support services (The Curve), disability support service, careers service and more.

[Click here to Access](#)



Online Services

As an LYIT registered student, you have access to various Online Services that you will need to utilize throughout your time in LYIT. Some of these services include, library, email, registration, fees, exams etc.

[Click here to Access](#)



Epigium -Being Well Living Well

Epigium Being Well, Living Well is a mental health toolkit for students. It provides you with access to a baseline of mental health and wellbeing supports throughout your time in LYIT. The toolkit takes a positive and preventative approach to supporting you maintain mental, physical, emotional and financial wellbeing.

[Click here to Access](#)

