

Web Design & Development

Y2/Sem 1 – 2021/21

WEEK 1. INTRODUCTION

Contact Details

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Primary Contact : Teams, Email, Moodle

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COVID19

Learning Basics for Semester 1

- Lecture will be online via Teams at 9am on Wednesdays
- Blended Learning – Live online lecture, F2F labs and tutorials, recorded tutorials, YouTube videos, Lab assignments
- Teams - Please put your image on your Microsoft account!
- F2F time
 - Covid protocols when face to face on campus
 - Will use Teams share screen for problems with code

Make sure to join the Microsoft Team for this module

1. Install the Teams app
2. In moodle there is a link to the Team for Web Design and Development
3. Join the team – and I will accept you into the teams

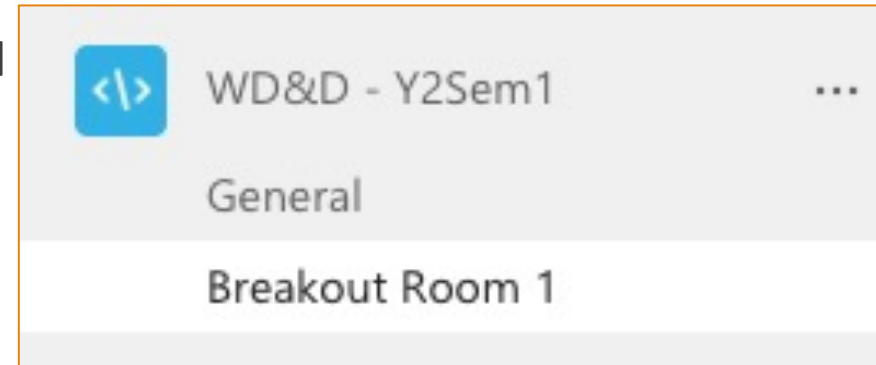
Online Lecture Link

- [Teams Link for Wednesday Morning Lecture](#)
- Check the [campus timetable](#)

We will use Teams for general chit-chat and messaging. Moodle discussion group though will still be the channel for official stuff – deadline updates, class not starting on time, etc.

Using Teams – let's be practical

1. Link to all Lecture online location – contained in Moodle
2. All online classes will be in the “General” Channel



3. If you need help – you will share screen with me – and we will talk through it
4. If others are interested – we goto “Breakout Room 1” – and you share your screen there
5. We’ve learned a lot from last year – so lets use Teams effectively and appropriately this year

Learning Outcomes

1. Design and implement a web form using HTML and CSS
2. Generate CSS, using a CSS pre-processor
3. Design and implement a responsive, accessible website which adheres to usability standards – with the use of a framework (Bootstrap)
4. Explain the role of form validation and apply both client and server validation to a form

Module Description

- <https://amm.itsligo.ie/en/module/web/20/COMP06265/201800/999999>

Recommended Reading List

2013-12-23 *Don't Make Me Think, Revisited: A Common Sense Approach to Web Usability (Voices That Matter)* New Riders

2015-12-19 *Beginning CSS Preprocessors: With SASS, Compass.js and Less.js* Apress

2014-06-27 *Learning Responsive Web Design: A Beginner's Guide* O'Reilly Media
ISBN 144936294X ISBN-13 9781449362942

Online resources

- [Medium.com](https://medium.com)
- [Alistapart.com](https://alistapart.com)
- [Smashingmagazine.com](https://smashingmagazine.com)

Semester Breakdown

Week 1 - Introduction

Week 2 - HTML&CSS

Week 3 - Responsive Web Design

Week 4 - Introducing Bootstrap

Week 5 - Web Forms & Validation

Week 6 - Web UI/UX design principles best practices

Week 7 - Responsive Content

Week 8 - The Responsive workflow (Normative Quiz 1)

Week 9 – Web Form Patterns

Week 10 - Accessibility guidelines

Week 11 - Site Optimisation (Normative Quiz 2)

CA Breakdown

- Last year – breakdown was 50% CA, 50% exam
- This year – 100% CA
 - 10% Class based quiz/MCQ (bi-weekly)
 - 5% Week 8 quiz/MCQ
 - 5% Week 11 quiz/MCQ
 - 10% for completed worksheets
- 70% Individual Project (develop website)
- Project is compulsory. Those not submitting project will be facing a repeat next semester

Week to week

Lecture, Tutorials & worksheets will be available at the beginning of the week in Moodle.

Lecture

- Lecture notes may contains links to flipped content – articles, videos, etc.

Tutorial

- All tutorials or materials referenced in lecture notes will be available in Moodle.
- You will complete your worksheets (things done in worksheets will come up in quizzes)

Labs

- Complete your worksheets. These are worth 10% of your final result for this module
- Do project work
- For the last 15 minutes of the lab session – there will be quiz/MCQ's

Individual Project

Develop a website prototype for your personal portfolio. That means that over the next 2.5 months you will work on the basis of a real project. The Lecturer is the Client/Customer.

You will be:

- Interacting and bouncing ideas around (collaboration)
- Learning from others/sharing with others (typical workplace)
- Challenging assumptions and ideas (good natured always!)
- Communicating and Presenting - oral/written/design (being positive and professional)

Individual Project

The website may be one of the following

- selling a product online
- making a reservation/booking
- Getting a delivery

The website will have

- Multiple pages that will include
 - Login form/Forgot password Form
 - Registration form
 - Other relevant forms (eg checkout page)
- Page that displays a list of items (e.g. products/events/locations)

Individual Project

Group Work Week 1

- Talk about possible projects
- These will all be written down and circulated
- Decide over next couple of weeks which one you are going to do