

# Introduction & Module Details

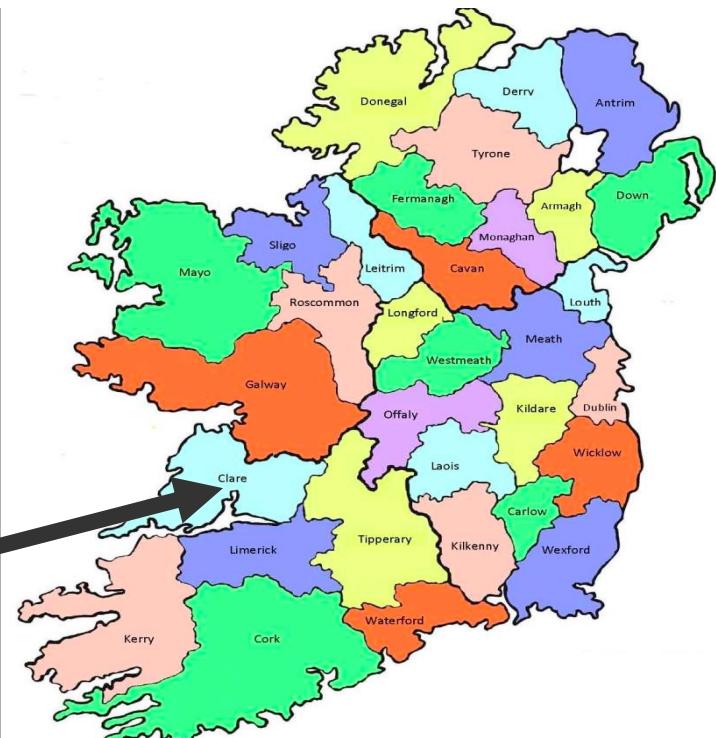
## **COMP3009J: Information Retrieval**

Dr. David Lillis ([david.lillis@ucd.ie](mailto:david.lillis@ucd.ie))

UCD School of Computer Science  
Beijing Dublin International College

# About Me: Dr. David Lillis

- ❑ My name is David Lillis:
  - ❑ “Lillis” is my family name.
  - ❑ “David” is my given name.
  - ❑ You can call me “David”, or “Dr. Lillis” (if you prefer to be more formal): I don’t mind\*.
- ❑ Originally from Ennis: a town with a population of 25,000 located in the west of Ireland



\* please don't say just “Lillis”.

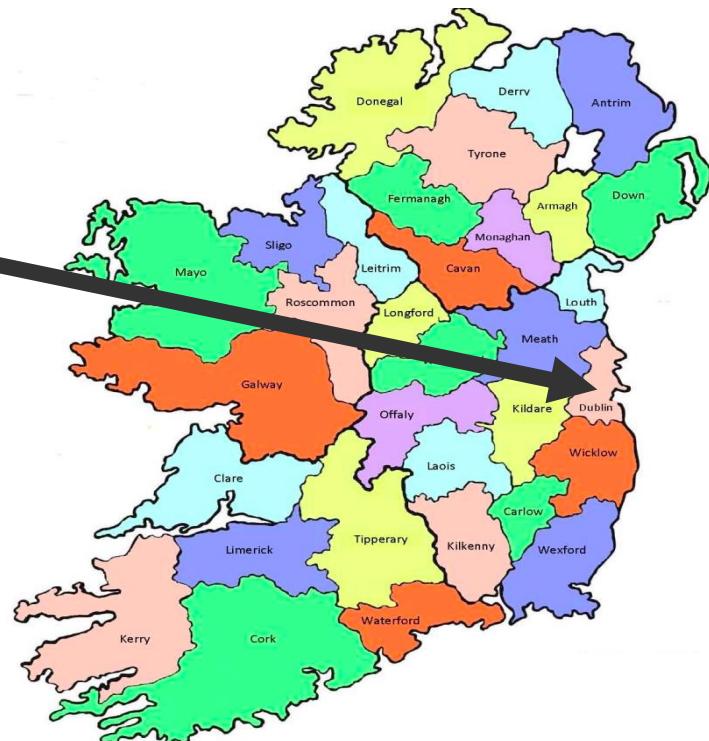


Ennis, Ireland



# About Me

- ❑ I live in Dublin: Ireland's capital city (and biggest city): population of 1,400,000
- ❑ (The entire country of Ireland has about 5,000,000 people)



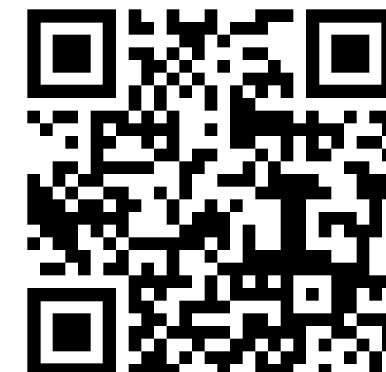
# About Me

- Assistant Professor in School of Computer Science in UCD
- Deputy Programme Director of Software Engineering.
- I did my PhD in UCD also
  - I have done research on Natural Language Processing, Information Retrieval, Multi-Agent Systems, Digital Forensics and Sensor Systems.
- Previously taught in:
  - Fudan University, Shanghai.
  - Griffith College Dublin.
- I have been teaching in BDIC since 2013/14.
- One of my first BDIC students finished his PhD under my supervision this year.



# Virtual Learning Environment (VLE)

- ❑ We will use **Brightspace** as the VLE for this module.
- ❑ This will be used for:
  - ❑ Making learning materials available.
  - ❑ Discussions on the discussion forum.
  - ❑ Announcements.
- ❑ Log in to <https://brightspace.ucd.ie> u  
Connect username and password.
  - ❑ If you are correctly registered, you should automatically have access (<https://brightspace.ucd.ie/d2l/home/205321>).





My Learning Assessment ▾ Discussions My Class ▾ Library ▾ Module Tools ▾



# COMP3009J Information Retrieval

## Calendar ▾

Monday, 20 February 2023 

### Upcoming events

FEB 21 8:00 AM  
Lecture: COMP3009J (Information Retrieval)

FEB 28 8:00 AM  
Lecture: COMP3009J (Information Retrieval)

## Welcome to the Module

### Updates ▾

There are no current updates for COMP3009J-Information Retrieval-2022/23 Spring

### My Announcements ▾

There are no announcements to display.

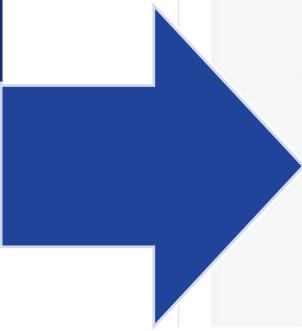
[Show All Announcements](#)



# COMP3009J Information Retrieval

Calendar ▾

- All announcements about this module will be made on Brightspace.
- You can configure Brightspace to email you about announcements.
  - This can be either to a UCD email account or to a personal account.



Welcome to the Module

Updates ▾

There are no current updates for COMP3009J-Information Retrieval-2022/23 Spring

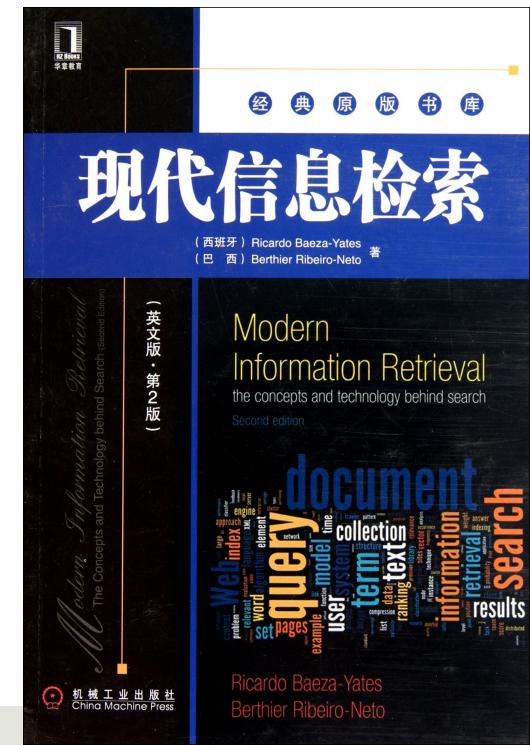
My Announcements ▾

There are no announcements to display.

[Show All Announcements](#)

# Resources

- **Modern Information Retrieval** (2<sup>nd</sup> Edition) by Ricardo Baeza-Yates and Berthier Ribeiro-Neto (ISBN: 978-7-111-33174-2): in the library.
- **An Introduction to Information Retrieval** by Christopher D. Manning, Prabhakar Raghavan and Hinrich Schütze: will be posted on Brightspace.
- Academic Papers from conference proceedings (SIGIR, ECIR, TREC etc.): will be posted on Moodle.



# Assessment

- ❑ A document describing assessment in more detail is on Brightspace. It is **very important** that you read this document carefully.
- ❑ 2 x Multiple Choice Quizzes (20% of final grade in total)
  - ❑ Closed book. Held in the classroom during class times. Full details will be provided later.
- ❑ Programming Assignment (30% of final grade)
  - ❑ Implement a simple search engine.
  - ❑ Before the programming assignment, we will use programming worksheets to prepare you for this task.
- ❑ Written Final Exam (50% of final grade)
  - ❑ Closed-book written examination
  - ❑ Held during exam period at end of semester (Weeks 17-18)

# Module Timetable

## ■ Lectures:

- Tuesdays 08:00-09:35 in Room 414 Teaching Building 4

## ■ Labs:

- Mondays 13:30-15:05 in Room 326 Teaching Building 3
- Labs begin in **Week 3** (i.e. 6<sup>th</sup> March)

# Face to Face Lectures

- A lecture is **not** just PowerPoint slides. It also consists of:
  - Everything I say during the lecture.
  - Any work that I do on the blackboard or projector.
  
- Every student should bring a notebook (paper or digital) to class:
  - Take notes on things that are not in the lecture slides.
  - Write down your own understanding of key points.
  - You remember more if you write things down.

# Labs

- ❑ Labs are scheduled to begin in Week 3.
  - ❑ At the beginning, there will be weekly “worksheets” for you to work on.
  - ❑ Although these are not graded, they will help you to understand the lecture content better, and prepare you for the programming assignments.
    - ❑ It is important to complete these early worksheets if you want to well on the later graded assignment.
  - ❑ During later labs, you will work on the programming assignment.
  - ❑ TAs will be available in the lab classroom during lab times to help you.

# Getting Help

- ▣ If there is something you have difficulty with, plenty of help is available.
  - ▣ You can ask me questions during or after a lecture.
  - ▣ You can ask me questions or ask for help in the lab.
  - ▣ There will be TAs in the lab also, who can help to solve programming problems.
  - ▣ There is a Brightspace Discussion Forum.
  - ▣ If your question is not suitable for the forum, you can email me at [david.lillis@ucd.ie](mailto:david.lillis@ucd.ie)
    - ▣ Please make sure to say your **name** and include the **module code** (COMP3009J) in the subject in your email.

# Discussion Forum

- ▣ Outside class times, We will mostly use the **Brightspace Discussion Forum** for questions.
  - ▣ **Anybody** can **ask** a question.
  - ▣ **Anybody** can **answer** a question.
  - ▣ If you want to, your question can be **anonymous** so that other users will not see your name (only I will see who asked the question)
  - ▣ Class representatives may **gather** questions from the class and ask them in the forum.

# Programming: Python

- In this module we will use **Python 3** as our programming language.
  - Python 2 is a different language that is *not compatible* with Python 3.
- Please download and install this from  
<https://www.python.org/downloads/>
  - Latest version is 3.11.2.
- If you have Python already installed but you not know which version it is, run "python --version" on your command line.
  - Or "python3 --version"

# Programming: Python Editor

- A good **programming editor** is recommended.
- Some suggestions include:
  - Notepad++ (Windows): <https://notepad-plus-plus.org/>
  - Visual Studio Code (Windows, Mac, Linux):  
<https://code.visualstudio.com/>
  - CotEditor (Mac): <https://coteditor.com/>
  - IDEs like PyCharm, Spyder, IDLE are **not** recommended.
- Jupyter notebooks are also not recommended.

# Questions?

- ❑ If you have questions later, please post in the Brightspace discussion forum for COMP3009J.