

# DATA C9001

## DATA ARCHITECTURE

### SYLLABUS

**Lecturer:** Dr Peadar Grant (Peadar.Grant@dkit.ie)

**Module descriptor:** <http://courses.dkit.ie/index.cfm/page/module/moduleId/56922>

**Moodle page:** <https://2021-moodle.dkit.ie/course/view.php?id=3791>

## 1 Assessment

Assessment	Timing	Weight
CT1 mid-module test	S1 W10	15
CA1 mid-module project	S1 end	35
CT2 end-module test	S2 W10	15
CA2 end-semester project	S2 end	35
<b>CA total</b>		= 100
<b>Total marks</b>		= 100

Table 1: Assessment

## 2 Course text

Thomas M Connolly and Carolyn E Begg. *Database Systems: A Practical Approach to Design, Implementation and Management*. Pearson, 6th edition, 2015.

Luc Perkins, Eric Redmond, and Jim R Wilson. *Seven Databases in Seven Weeks*. The Pragmatic Bookshelf, 2018.

Pramod J Sadalage and Martin Fowler. *NoSQL Distilled*. Addison-Wesley, 2012.

## 3 Learning resources

Some classes have **prior required reading**, which will be clearly notified in advance.

**Slides or other visuals**, where used, are used solely as a visual aid in class. They are almost useless in the absence of attendance.

**You should take your own notes during class.** Afterwards you should review and augment them. A good way to help this process is to take notes by hand and transcribe onto a computer.

## 4 Remote teaching

Due to the COVID-19 situation, a large amount of this course will be taught remotely. This may be a mix of synchronous (live) and asynchronous (recorded, independent study).

Live sessions will take place primarily using Zoom. Please mute your microphone when connecting.

## 5 Announcements

Announcements will be sent only to your student e-mail. You must check your student e-mail regularly. I suggest you set it up as a local account on your mobile device's built-in client (rather than using the web or 365's app).

## 6 Contact

Non-personal questions (e.g. what's the due date on an assignment, errors in notes) should be asked on the Q&A forum on Moodle so that everyone gets a consistent response. If you send me a question better answered on the Q&A forum I will ask you to repost it there.

Personal queries must be sent from your DkIT e-mail to Peadar.Grant@dkit.ie. Because of GDPR requirements I cannot discuss anything sent by non-DkIT addresses. To maintain a single professional e-mail workflow, I do not respond to queries over Moodle Messaging, Teams Chat or other channels.

If you wish to meet I can do so via Zoom. Please e-mail me with a brief description of what you'd like to discuss and we can set up a meeting time.

## 7 CA

Please pay close attention to CA instructions.

Deadlines are as displayed on Moodle and will be strictly enforced.

Moodle will block submissions after the deadline date/time. If you need an extension you must e-mail me setting out the reasons and I will set up an extended deadline for you on Moodle. Penalties will apply for late submission in accordance with institutional and school CA policies. Failure to plan doesn't constitute an emergency on anyone else's part.

File names and formats are important. You must adhere completely to required filenames, formats and layouts. Files named incorrectly or supplied in an incorrect format will be deemed not submitted, and a zero mark will result for them. (For example if ca1.zip is asked for, no marks will result for ca1 Peadar Grant.zip or CA1.zip) You may be provided with test scripts to check your submission for compliance with file naming and layouts. Where provided, you should use them.

Queries regarding grades must be made by e-mail with 7 days of receiving the grade.

## 8 Academic integrity

You must at all times comply with the institute's academic integrity policy. Any suspected breaches will be sent through the institutional procedures without exception. Penalties are potentially severe and carry long-lasting consequences beyond a single module or assessment. If you are in doubt as to whether a particular course of action is acceptable, you should check with me before submission of work.