

# BUSM 1042 INTRODUCTION TO BUSINESS ANALYTICS

**Credit Points** 10

**Legacy Code** 201090

**Coordinator** Premaratne Samaranayake (<https://directory.westernsydney.edu.au/search/name/PremaratneSamaranayake/>)

**Description** The unit will introduce, explore and analyse key concepts and methodologies related to business analytics, analytics development and tools/techniques in broader business and organisational contexts. The ability to identify, collect, extract, analyse and visualise data is vital to organisations for developing strategies and making strategic/operational decisions. Business analytics uses a variety of tools and techniques using several systems/platforms to process and transform data into useful information and knowledge that can be used for evidence-based decision making at strategic, tactical and operational levels.

**School** Business

**Discipline** Business and Management, Not Elsewhere Classified.

**Student Contribution Band** HECS Band 4 10cp

Check your HECS Band contribution amount via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 1 subject

## Learning Outcomes

On successful completion of this subject, students should be able to:

1. Identify and classify business problems that require business intelligence from business analytics.
2. Apply business analytics development methodologies to business problems.
3. Recommend business analytics techniques, tools and methodologies in applied case scenarios.
4. Explain ethical and governance aspects of business analytics applications.
5. Evaluate the tools and techniques used in developing business analytics applications (e.g. dashboards) and performance reports.
6. Collaborate with team members in a productive manner supporting diverse viewpoints in relation to business analytics.

## Subject Content

Overview of data, business analytics tools/techniques and organisation context

Working with big data to address management challenges

Data and Information for management decision making

Model Building for strategic planning

Visualisation and communication for a range of business stakeholders

Social network analysis

Business analytics development methodology

Design and agile thinking for business analytics projects

Ethical aspects, governance and security.

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are

regularly updated, where there is a difference your Learning Guide takes precedence.

Item	Length	Percent	Threshold	Individual/Group Task
Case Study	2000 Words	40	N	Individual
Report	2500 Words	30	N	Group
Presentation	10 mins	20	N	Individual
Quiz	30 mins	10	N	Individual

Prescribed Texts

- Vidgen, Richard, Samuel N. Kirshner, and Felix B. Tan. Business analytics: A management approach. Red Globe Press, 2019.

Teaching Periods

## Autumn

### Parramatta City - Macquarie St

#### Evening

**Subject Contact** Premaratne Samaranayake (<https://directory.westernsydney.edu.au/search/name/PremaratneSamaranayake/>)

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=BUSM1042\\_22-AUT\\_PC\\_E#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BUSM1042_22-AUT_PC_E#subjects))