

BUSM 7105 BUSINESS ANALYTICS IN PRACTICE

Credit Points 10

Legacy Code 201019

Coordinator Abdul Babar (<https://directory.westernsydney.edu.au/search/name/Abdul Babar/>)

Description This subject will explore and analyse ideas and concepts related to business intelligence and advanced analytics in business and broader economic contexts. The ability to identify, gather, extract, and analyse data is vital to organisations. Business analytics uses a variety of software applications to transform such data into useful information that can then be used for constructive decision making, improving operational effectiveness and efficiencies and identifying new business opportunities.

School Business

Discipline Business and Management, Not Elsewhere Classified.

Student Contribution Band HECS Band 4 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Postgraduate Coursework Level 7 subject

Equivalent Subjects MKTG 7002 - Applied Marketing Solutions

Learning Outcomes

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

1. Identify which business problems require decision support from business analytics.
2. Determine reliability and validity of data and the business analytics methods used to address a business problem.
3. Recommend decision support systems while taking privacy, security and cultural issues into consideration.
4. Critically evaluate the tools and techniques used in developing business projections and performance reports.

Subject Content

1. Overview of business intelligence, analytics and decision support systems, focussing on broader functional applications.
2. Business intelligence, business reporting and business performance management.
3. Descriptive analytics.
4. Prescriptive analytics.
5. Introduction to advanced analytics techniques.
6. Business intelligence and analytics tools.
7. Data mining, text mining and web data analysis
8. Future directions for business analytics.

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.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Report	2,000 words	35	N	Individual	Y
Applied Project	1,500 words	35	N	Group	Y
Presentation	5 minutes	30	N	Group	Y

Prescribed Texts

- Kale, N. and Jones, N., 2016, Practical Analytics: Applied Analytics Concepts Using Market-Leading Software Tools, Epistemy Press LLC.

Teaching Periods

Quarter 1 (2025)

Parramatta City - Macquarie St

On-site

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

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BUSM7105_25-Q1_PC_1#subjects)

Quarter 2 (2025)

Parramatta City - Macquarie St

On-site

Subject Contact Abdul Babar (<https://directory.westernsydney.edu.au/search/name/Abdul Babar/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BUSM7105_25-Q2_PC_1#subjects)

Vietnam Quarter 2 (2025)

Vietnam

On-site

Subject Contact Abdul Babar (<https://directory.westernsydney.edu.au/search/name/Abdul Babar/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BUSM7105_25-UQ2_UE_1#subjects)

Quarter 3 (2025)

Parramatta City - Macquarie St

On-site

Subject Contact Abdul Babar (<https://directory.westernsydney.edu.au/search/name/Abdul Babar/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BUSM7105_25-Q3_PC_1#subjects)

Vietnam Quarter 3 (2025)

Vietnam

On-site

Subject Contact Abdul Babar (<https://directory.westernsydney.edu.au/search/name/Abdul Babar/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BUSM7105_25-UQ3_UE_1#subjects)

Quarter 4 (2025)

Parramatta City - Macquarie St

On-site

Subject Contact Abdul Babar (<https://directory.westernsydney.edu.au/search/name/Abdul Babar/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BUSM7105_25-Q4_PC_1#subjects)

Vietnam Quarter 4 (2025)

Vietnam

On-site

Subject Contact Abdul Babar (<https://directory.westernsydney.edu.au/search/name/Abdul Babar/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=BUSM7105_25-UQ4_UE_1#subjects)