

## Unit of Study: BIS2005 Enterprise Architecture

Trimester 3, 2022

### Overview:

This unit of study broadens the key understanding of major widely accepted Enterprise Architecture (EA) domains, layers and frameworks concisely to a general business audience. This unit explores the different stages of adopting an EA along with the critical investigation on EA governance, and justifies that how it fits in with other key roles in the organisation. This includes articulating and exploring the information, the business, and strategies for change and planning for business continuity in the context of emerging EA.

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| <b>Course(s)</b>           | Bachelor of Business Information Systems<br>Bachelor of Information Technology  |
| <b>Credit Points</b>       | 6 credit points   |
| <b>Duration</b>            | 12 weeks (10 teaching weeks; 1 revision week; 1 final assessment week)  |
| <b>Level</b>               | Undergraduate<br>Intermediate   |
| <b>Student Workload</b>    | Students should expect to spend approximately 10 hours per week over 12 weeks (totalling approximately 120 hours) on learning activities for this unit. |
| <b>Mode(s) of Delivery</b> | On campus, Blended  |
| <b>Pre-Requisites</b>      | None  |
| <b>Unit Coordinator</b>    | As per current <a href="#">timetable</a>  |
| <b>Contact Information</b> | Consultation: 1 hour scheduled session  |

### Unit Learning Outcomes

On successful completion of this unit, students will be able to:

- ULO-1: Communicate the major enterprise architecture (EA) domains, layers and frameworks concisely to a general business audience.
- ULO-2: Critique the core concepts of data and information architecture and evaluate existing data and information architecture designs.
- ULO-3: Explore emerging enterprise architecture practices and evaluate the utility of alternative approaches for specific value-adding activities in an organisation.
- ULO-4: Describe and critique business continuity plans in the context of enterprise architecture.
- ULO-5: Critique the role of audit and compliance standards in enterprise architecture.

## Weekly Schedule

Detailed information for each week's activities can be found on Unit's Weekly Modules in Canvas.

| Week    | Topic   |
|---------|---|
| Week 1  | Enterprise Architecture Introduction  |
| Week 2  | Management of information system and services: COBIT and the ITIL set of practices.   |
| Week 3  | The Role of Enterprise Architecture Practice and EA Practice as City Planning   |
| Week 4  | Enterprise Architecture Value and Risk  |
| Week 5  | IT Initiatives and Enterprise Architecture & Classification of EA Artefacts<br>Understand the role of IT initiatives in an EA practice and CSVLOD model |
| Week 6  | Considerations & Standard: Understand the Considerations as EA Artefacts and Standards  |
| Week 7  | Visions & Landscapes: Understand the common properties of all Visions and all landscapes  |
| Week 8  | Outlines & Designs: Understand the common properties of all Outlines and Designs  |
| Week 9  | The CSVLOD Model & Architects in Enterprise Architecture Practice<br>Architecture Functions in Organizations & Instruments for Enterprise Architecture  |
| Week 10 | The Lifecycle of Enterprise Architecture Practice   |
| Week 11 | REVISION  |
| Week 12 | Final assessments   |

## Assessments





- All assessments are compulsory.
- To pass the unit students must:
  - achieve a total of 50% or more of marks offered; and
  - pass all individual invigilated assessments; and
  - have attempted all assessments.

Where one or more of these requirements are not met, the Board of Examiners will consider a student's overall progress towards meeting the unit learning outcomes and any special circumstances before reaching a decision.

- The Board of Examiners may grant a supplementary assessment where a student:
  - achieves a total of 45% or more; and
  - has passed all individual invigilated assessments in the unit; and
  - has attempted all assessments; and
  - has a recommendation for supplementary assessment by the Unit Coordinator and the Head of Discipline.

Where one or more of these requirements are not met, the Board of Examiners will consider a student's overall progress towards meeting the unit learning outcomes and any special circumstances before reaching a decision. Attendance and engagement in class will be considered.

- APIC awards common result grades as set out in the [Award of Grade Policy](#).
- Detailed information for each assessment can be found on the Unit's Home Page and in the Assessment Brief.

| Assessment Task   | Type   | Weighting                              | Due                        | Length  | ULO                                       |
|---|--|--|----------------------------|---|---|
| <b>Assessment 1: Case Study</b><br>Propose EA artifacts, taxonomy of documentations that to be delivered for a particular case study. In addition, to discuss the operating model and types of IT initiatives.  | Group<br>   | 30%<br>Report: 25%<br>Presentation: 5% | Week<br>5                  | 3500 words<br>(report and power point slides with embedded audio) | ULO-1<br>ULO-2<br>ULO-3                   |
| <b>Assessment 2: Report</b><br>Write a report to examine the architecture function of a specific organisation and determining the operating model for a multi-profile company. The report should also cover the core concepts of data and information architecture and evaluate existing data and information architecture designs, continuity plans in the context of EA and role of audit and compliance standards in EA (details in the Assessment Brief). | Individual<br>  | 40%                                    | Week<br>12                 | 3600 words  | ULO-3<br>ULO-4<br>ULO-5                   |
| <b>Assessment 3: Quiz</b><br>Every quiz will be conducted based on the teaching and learning materials covered in previous two weeks, for an example, quiz 1 in week 3 will be based on week 1 and week 2 teaching and learning materials (details in the Assessment Brief).  | Individual<br><br>Invigilated<br> | 30%                                    | Week<br>2, 4, 6,<br>8 & 10 | 30 Minutes<br>for each quiz<br>(equiv. 750 words )                | ULO-1<br>ULO-2<br>ULO-3<br>ULO-4<br>ULO-5 |

equiv. – equivalent word count based on the Assessment Load Equivalence Guide. It means this assessment is equivalent to the normally expected time requirement for a written submission containing the specified number of words.

### Course Reserve

Course Reserve includes all required resources and reading material for the unit of study. You can access Course Reserve via [APIC Library](#) or via the Course Reserve link on the unit's homepage.

### Prescribed text(s):

Kotusev, S 2021, *The practice of enterprise architecture: A modern approach to business and IT alignment*, 2<sup>nd</sup> edn, SK Publishing, Melbourne.

**Recommended Readings:**

Ajer, AK & Olsen, DH 2018, 'Enterprise Architecture Challenges: A Case Study of Three Norwegian Public Sectors', *ECIS Proceedings 2018*, pp. 51, viewed 1 February 2021, <[https://aisel.aisnet.org/ecis2018\\_rp/51/](https://aisel.aisnet.org/ecis2018_rp/51/)>.

Bernard, P 2012, *Foundations of ITIL: 2011 Edition*, Van Haren Publishing, Zaltbommel, viewed 22 September 2021, <<https://www.vanharen.store/samplefile/api/downloader/getId/978908753674C>>.

Harmer, G 2014, *Governance of enterprise IT based on COBIT 5: A management guide*, IT Governance Ltd., Australia.

Jusuf, MB & Kurnia, S 2017, 'Understanding the Benefits and Success Factors of Enterprise Architecture', *Proceedings of the 50th Hawaii International Conference on System Sciences*, viewed 1 February 2021, <<https://www.researchgate.net/publication/317382545>>.

Kotusev, S 2018, *The practice of enterprise architecture: a modern approach to business and its alignment*, SK Publishing, Australia.

**Other Recommended Resources:**

Harvard Business Review: [www.hbr.org](http://www.hbr.org)

**Academic integrity**

Ethical conduct and academic integrity and honesty are fundamental to the mission of APIC and academic misconduct will not be tolerated by the College. It is the responsibility of every student to make sure that they understand what constitutes academic misconduct and to refrain from engaging in it. Please refer to APIC's [Academic Integrity Policy](#) for further details.

**Other Important Information and Links**

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| <p><b>Special consideration</b></p> <p>If your academic work is impacted by significant documented illness, hardship, or other adverse circumstances beyond your control, you may make an application for Special Consideration. Please refer to the <a href="#">Assessment Policy</a> for further details.</p> | <p><b>Late submission</b></p> <p>Penalties apply when work is submitted after the due date without approval. Please refer to the <a href="#">Assessment Policy</a> for information about late submission.</p> |
| <p><b>Assessment appeals</b></p> <p>If you are concerned about a mark you have received for an assessment or final grade, you may apply to formally appeal the grade. Please see the <a href="#">Assessment Policy</a> for further details.</p>   | <p><b>Award of grades</b></p> <p>APIC awards common result grades, set out in the <a href="#">Award of Grade Policy</a>.</p>  |

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| <p><b>Expectations of student conduct</b></p> <p>Students are expected to conduct themselves in a manner that is consistent with a safe and respectful study environment. More information can be found in the <a href="#">Student Code of Conduct</a>.</p>   | <p><b>Study resources</b></p> <p>APIC Library and Student Learning Support resources and services can be accessed via the <a href="#">Student Lounge</a> or your <a href="#">Dashboard on the OLS (Canvas)</a>.</p>    |
| <p><b>Student Services</b></p> <p>The Student Services team provides administrative support for students and handles enquiries about enrolment, timetables, important dates and submitting forms. More information can be found on the <a href="#">Student Services page on the OLS (Canvas)</a>.</p> | <p><b>Key dates</b></p> <p>Key dates through the academic year, including teaching periods, census, payment deadlines and exams can be found on the <a href="#">Academic Calendar</a> section of the APIC website.</p> |

### Changes and Updates to the Unit of Study Guide

This Unit of Study Guide may be updated and amended from time to time. Students will be notified of any changes to the unit via the Online Learning System (Canvas) space for the unit.

This Unit of Study Guide was last modified on 31<sup>st</sup> August 2022.