

| SE 3030 - Software Architecture 2025 | | | | | |
|---|------------|----------------------------------|------------|--|--|
| Week | Lectures | | | | Lab |
| | Friday | Physical Lectures <i>B502</i> | Sunday | Physical Lectures <i>G1401/ G1402</i> | |
| Week 1 | 2025/02/07 | L1 | 2025/02/09 | L1 | No Labs |
| Week 2 | 2025/02/14 | L2 | 2025/02/16 | L2 | Lab 01 |
| Week 3 | 2025/02/21 | L3, A1 | 2025/02/23 | L3, A1 | Lab 02 + A1 (Assignment 01 Distribution) |
| Week 4 | 2025/02/28 | L4 | 2025/03/02 | L4 | Lab 03 |
| Week 5 | 2025/03/07 | L5 | 2025/03/09 | L5, L6 | Assignment 01 help session |
| Week 6 | 2025/03/14 | L6 | 2025/03/16 | L7 | A1P (Assignment 01 viva) |
| Week 7 | 2025/03/21 | L7, L8 | 2025/03/23 | L8 | A1P (Assignment 01 viva) |
| Week 8 | 2025/03/28 | L11, A2 | 2025/03/30 | L11, A2 | Lab 04 + A2 (Assignment 02 Distribution) |
| Week 9 | 2025/04/04 | L9, L10 | 2025/04/06 | L9, L10 | Lab 05 |
| Week 10: Mid Examination (07/04/2025 - 11/04/2025) | | | | | |
| Week 10/ 11: New Year Holiday (12/04/2025 - 18/04/2025) | | | | | |
| Week 11: Mid Examination Contd. (19/04/2025 - 25/04/2025) | | | | | |
| Week 11 | 2025/04/25 | >>> Merged with WE >>> | 2025/04/27 | L12, L13 | No Labs |
| Week 12 | 2025/05/02 | L14, L15 | 2025/05/04 | L14, L15 | No Labs |
| Week 13 | 2025/05/09 | L16 | 2025/05/11 | L16 | A2P (Assignment 02 Demo & Viva) |
| Week 14 | 2025/05/16 | A2P | 2025/05/18 | A2P | A2P (Assignment 02 Demo & Viva) |

| Lecture # | Lecture / Topic |
|-----------|---|
| L1 | Introduction to Software Architecture |
| L2 | Microkernel Architecture |
| L3 | GOF - Design Patterns |
| L4 | Architectural Activities & Design Process |
| L5 | Presentation Layer Patterns |
| L6 | Business Layer Patterns |
| L7 | Enterprise Application Integration |
| L8 | Enterprise Integration Patterns |
| L9 | Architectural Structures and Views |
| L10 | Architectural Patterns & Styles |
| L11 | Software Quality Attributes |
| L12 | Quality Attribute Scenarios |
| L13 | Quality Attribute Tactics |
| L14 | Software Architecture Evaluation |
| L15 | Trade off Analysis |
| L16 | Software Architecture Frameworks |

| Legend | |
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| | Lectures covered by Mr. Vishan |
| | Lectures covered by Mr. Chathura |

| Lab # | Topic |
|-------|-------------------------|
| 1 | OSGI - Apache Felix |
| 2 | Eclipse Equinox |
| 3 | Design Patterns |
| 4 | Enterprise Patterns |
| 5 | Deployment Architecture |

| Item # | Assignments |
|--------|----------------------------------|
| A1 | Assignment 1 |
| A2 | Assignment 2 |
| A1P | Assignment 1 Presentation & Viva |
| A2P | Assignment 2 Presentation & Viva |