# I-SHOU UNIVERSITY Information Mangement

## Curriculum for Master's Students Admitted in Academic Year 2024

Made in 2024/10

| $^{\star}$ Credits required for graduation from the Department: $\underline{32}$ , including:  |
|--|
| (—)Department-required courses: 8 credits  |
| (二)Departmental electives 24 credits  1. Academic courses 12 credits: taking 30 credits out of 12 credits  2. Practical courses 12 credits: taking 30 credits out of 12 credits, at least 3 credits from off-campus internship  3. Other electives 6 credits (6 credits from other programs may be recognized with approval from the Program)  |
| <ul> <li>(三) Thesis: required courses without credits (capstone courses)</li> <li>Note:         <ul> <li>1. Other matters not mentioned above shall be handled in accordance with the provisions of the Department's "Regulations for Postgraduate Studies".</li> <li>2. Curriculum Planning In order to meet the needs of students, courses may be increased or decreased。</li> </ul> </li> </ul> |

#### First Year (2024)

#### **First Year (2025)**

| Catego                 | ory              | Course<br>Code | Course Title                               | 1 <sup>st</sup><br>Semester | 2 <sup>nd</sup><br>Semester | Required / | Remark   | Category               | Course<br>Code | Course Title                                  | 1 <sup>st</sup><br>Semester | 2 <sup>nd</sup><br>Semester | Required / Elective | Remark   |
|------------------------|------------------|----------------|--|-----------------------------|-----------------------------|------------|----------|------------------------|----------------|---|-----------------------------|-----------------------------|---------------------|----------|
|                        | ses 1            |                | Seminar (I)                                | 1                           | Semester                    |            | Academic |                        | M22608         | Discrete<br>Mathematics                       | Semester                    | 3                           | Elective            |          |
| Department-            | required Courses | M22602         | Seminar (II)                               |                             | 1                           | Required   | Academic |                        | M22620         | Advanced<br>Systems<br>Analyaia and<br>Design |                             | 3                           | Elective            |          |
| De                     | requ             | M22M01         | Research<br>Ethics                         |                             | 0                           | Required   |          |                        | M22621         | Multi Media<br>Systems                        |                             | 3                           | Elective            | Practica |
| Departmental Electives |                  | M22611         | Business Date<br>Warehousing               | 3                           |                             | Elective   |          |                        | M22622         | Wireless Multimedia Communications            |                             | 3                           | Elective            |          |
|                        |                  | M22613         | Organizational<br>Behavior                 | 3                           |                             | Elective   |          |                        | M22623         | Advanced<br>Business Data<br>Communication    |                             | 3                           | Elective            |          |
|                        |                  |                | Management<br>of Human<br>Resources        | 3                           |                             | Elective   |          | Electives              | M22624         | Advanced Decision Support Systems             |                             | 3                           | Elective            | Practica |
|                        |                  | M22615         | Management<br>of Information<br>Technology | 3                           |                             | Elective   | Academic | Departmental Electives | M22625         | Multimedia Database Systems                   |                             | 3                           | Elective            |          |
|                        |                  | M22616         | Information<br>Economics                   | 3                           |                             | Elective   |          | Ω                      | M22626         | Strategic<br>Information<br>Systems           |                             | 3                           | Elective            |          |
| Ĩ                      |                  | M22617         | Information<br>Theory                      | 3                           |                             | Elective   |          |                        | M22627         | Soft Computing                                |                             | 3                           | Elective            | Practica |
|                        |                  | M22619         | Electronic<br>Business                     | 3                           |                             | Elective   | Academic |                        | M22628         | Information and<br>Investment<br>Management   |                             | 3                           | Elective            | Practica |
|                        |                  | M22610         | Computer<br>Algorithms                     | 3                           |                             | Elective   | Academic |                        | M22629         | Financial<br>Information<br>Systems           |                             | 3                           | Elective            |          |
|                        |                  | M22631         | Artificial<br>Intelligence                 | 3                           |                             | Elective   | Practica |                        | M22630         | Cryptology                                    |                             | 3                           | Elective            |          |
|                        |                  | M22606         | Advanced<br>Management                     | 3                           |                             | Elective   |          |                        | M22659         | Web Teaching<br>Design and                    |                             | 3                           | Elective            |          |

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| Academic Year |  |   |   |          |          |       | Acadei   | nic Year                                  |   |          |          |
|---------------|--|---|---|----------|----------|-------|----------|---|---|----------|----------|
| Total Requi   | <b>Total Required Credits for this</b> |   |   | 2        |          | Total | Required | l Credits for this                        |   |          |          |
| M22           | Deep learning                          |   | 3 | Elective |          |       |          |   |   |          |          |
| M22           | 2612 Knowledge<br>Management           | 3 | 3 | Elective |          |       | M22641   | Data Mining                               | 3 | Elective | Academic |
| M22           | Multivariate<br>Analysis               |   | 3 | Elective |          |       | M22340   | Customer<br>Relationship<br>Management    | 3 | Elective | Academic |
| M22           | Research<br>Paper Writing              |   | 3 | Elective |          |       | M22881   | Internet Business strategies and Models   | 3 | Elective |          |
| M22           | Advanced<br>Databases                  |   | 3 | Elective |          |       | M22670   | and Practice                              | 3 | Elective |          |
| M22           | Practical Case<br>Study                | 3 |   | Elective | Practica |       | M22633   | Electronic<br>Commerce                    | 3 | Elective | Practica |
| M22           | Enterprise<br>Resource<br>Planning     | 3 |   | Elective | Academic |       | M22668   | Information System for Project Management | 3 | Elective |          |
| M22           | Network Technology                     | 3 |   | Elective | Practica |       | M22667   | Research<br>Methods<br>for Business       | 3 | Elective | Academic |
| M22           | Research<br>Methodology                | 3 |   | Elective | Academic |       | M22660   | Informatics, Culture and Communication    | 3 | Elective |          |
|               | of Information<br>Systems              |   |   |          |          |       |          | Evaluation                                |   |          |          |

#### Second Year (2024)

#### Second Year (2025)

| Catego                  | Course<br>ry Code | Course Title                    | 1 <sup>st</sup><br>Semester | 2 <sup>nd</sup><br>Semester | Required / | Remark  | Category               | Course<br>Code | Course Title                                     | 1 <sup>st</sup><br>Semester | 2 <sup>nd</sup><br>Semester | Required / Elective | Remark   |
|-------------------------|-------------------|---------------------------------|-----------------------------|-----------------------------|------------|---------|------------------------|----------------|--|-----------------------------|-----------------------------|---------------------|----------|
| Department-<br>required | M2265             | Independent<br>Study (I)        | 3                           |                             | Required   |         |                        | M22642         | Information Security Practice                    |                             | 3                           | Elective            |          |
|                         | M2265             | Independent<br>Study (II)       |                             | 3                           | Required   |         |                        | M22644         | Information and Law                              |                             | 3                           | Elective            |          |
|                         | M22M0             | 0 Master<br>Thesis              |                             | 0                           | Required   | summary | Departmental Electives | M22645         | Intelligent<br>Agent                             |                             | 3                           | Elective            |          |
| Departmental Electives  | M2267             | Seminar(III)                    | 1                           |                             | Elective   |         |                        | M22646         | Information System for Business Automation       |                             | 3                           | Elective            |          |
|                         | M2267             | Seminar (IV)                    |                             | 1                           | Elective   |         |                        | M22647         | Advanced<br>Expert<br>Systems                    |                             | 3                           | Elective            | Practica |
|                         | M2263             | Intelligent Information Systems | 3                           |                             | Elective   |         |                        | M22648         | Manufacturing<br>Information<br>Systems          |                             | 3                           | Elective            |          |
|                         | M2263             | Human<br>Factors in<br>MIS      | 3                           |                             | Elective   |         |                        | M22649         | Advanced<br>Accounting<br>Information<br>Systems |                             | 3                           | Elective            |          |

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| M22636                       | Web-Based<br>Education<br>and Training         | 3 | Elective |          |  | M22650 | Marketing<br>and Sales MIS            | 3 | Elective |  |  |
|------------------------------|--|---|----------|----------|--|--------|---------------------------------------|---|----------|--|--|
| M22637                       | Group Decision Support Systems                 | 3 | Elective |          |  | M22665 | ICT<br>Economics<br>and<br>Management | 3 | Elective |  |  |
| M22638                       | Network<br>Management                          | 3 | Elective |          | -  | M22719 | Big data<br>analysis                  | 3 | Elective |  |  |
| M22640                       | Distributed<br>Systems                         | 3 | Elective |          |  |        | -                                     |   |          |  |  |
| M22643                       | Internet<br>Marketing                          | 3 | Elective | ,        |  |        |                                       |   |          |  |  |
| M22672                       | Knowledge<br>Management<br>Project<br>Research | 3 | Elective |          |  |        |                                       |   |          |  |  |
| M22671                       | Digital<br>Game<br>System                      | 3 | Elective |          |  |        |                                       |   |          |  |  |
| M22605                       | Advanced<br>Statistics                         | 3 |          | Academic |  |        |                                       |   |          |  |  |
| M22664                       | Writing  | 3 | Elective |          |  |        |                                       |   |          |  |  |
| M22883                       | Practical<br>Training                          | 3 | Elective | Practica |  |        |                                       |   |          |  |  |
| M22727                       | Intelligent visual                             | 3 | Elective |          |  |        |                                       |   |          |  |  |
| Total Required C<br>Academic |  |   | 6        |          | Total Required Credits for this  Academic Year |        |                                       | 0 |          |  |  |

#### Third Year (2026)

#### Fourth Year (2027)

| Category                                       | Course<br>Code | Course Title            | 1 <sup>st</sup><br>Semester | 2 <sup>nd</sup><br>Semester | Required / Elective | Remark | Category               | Course<br>Code | Course Title              | 1 <sup>st</sup><br>Semester | 2 <sup>nd</sup><br>Semester | Required / Elective | Remark |
|--|----------------|-------------------------|-----------------------------|-----------------------------|---------------------|--------|------------------------|----------------|---------------------------|-----------------------------|-----------------------------|---------------------|--------|
| Departmental Electives                         | M22655         | Independent Study (III) | 1                           |                             | Elective            |        | tives                  | M22657         | Independent<br>Study (V)  | 1                           |                             | Elective            |        |
|  | M22656         | Independent Study (IV)  |                             | 1                           | Elective            |        | Departmental Electives | M22658         | Independent<br>Study (VI) |                             | 1                           | Elective            |        |
|  |                |                         |                             |                             |                     |        | Depart                 |                |                           |                             |                             |                     |        |
| Total Required Credits for this  Academic Year |                |                         |                             |                             | 0                   |        | Total                  | Required (     | Credits for this          |                             |                             | 0                   |        |