



## **Appendix B2**

# **Curriculum Plan for Telecommunication Engineering and Management**



### Curriculum Plan of Telecommunication Engineering and Management

| Module name  | Course   |      | S1 |     | S2  |     | S3  |     | S4  |     | S5  |     | S6 |    | S7 |   | S8 |   |  |
|--|--|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|---|----|---|--|
|  | Course Name  | Type | CP | H   | CP  | H   | CP  | H   | CP  | H   | CP  | H   | CP | H  | CP | H | CP | H |  |
| Module 1<br>Mathematics &<br>Physics Science<br>Fundamentals | Higher Mathematics (1)                                     | L    | 6  | 180 |     |     |     |     |     |     |     |     |    |    |    |   |    |   |  |
|  | Higher Mathematics (2)                                     | L    |    |     | 4.5 | 135 |     |     |     |     |     |     |    |    |    |   |    |   |  |
|  | Linear Algebra   | L    |    |     | 3   | 90  |     |     |     |     |     |     |    |    |    |   |    |   |  |
|  | Probability Theory and Stochastic Process                  | L    |    |     |     |     | 4.5 | 135 |     |     |     |     |    |    |    |   |    |   |  |
|  | College Physics (A)  | L    |    |     | 4.5 | 135 |     |     |     |     |     |     |    |    |    |   |    |   |  |
|  | College Physics Experiment (A)                             | P    |    |     |     |     | 3   | 90  |     |     |     |     |    |    |    |   |    |   |  |
| Module 2<br>Computer<br>Fundamentals                         | College Computer   | L&P  | 3  | 90  |     |     |     |     |     |     |     |     |    |    |    |   |    |   |  |
|  | C Language Programming                                     | L&P  |    |     | 6   | 180 |     |     |     |     |     |     |    |    |    |   |    |   |  |
|  | Applied Technology of Database                             | L&P  |    |     |     |     |     |     |     |     | 4.5 | 135 |    |    |    |   |    |   |  |
| Module 3<br>Engineering<br>fundamentals                      | Basics of Circuit Analysis                                 | L&P  | 5  | 150 |     |     |     |     |     |     |     |     |    |    |    |   |    |   |  |
|  | Electronic Technique Foundation                            | L&P  |    |     |     |     | 7.5 | 225 |     |     |     |     |    |    |    |   |    |   |  |
|  | Signal and System  | L&P  |    |     |     |     |     |     | 5.5 | 165 |     |     |    |    |    |   |    |   |  |
| Module 4<br>Engineering<br>Practice                          | Engineering Drawing Practice                               | P    |    |     | 3   | 90  |     |     |     |     |     |     |    |    |    |   |    |   |  |
|  | Course Integrated Design of Electronic Technology          | P    |    |     |     |     |     |     | 3   | 90  |     |     |    |    |    |   |    |   |  |
|  | Electric Fitting Practice                                  | P    |    |     |     |     |     |     |     |     | 0.5 | 15  |    |    |    |   |    |   |  |
|  | Course Design of Engineering Management Information System | P    |    |     |     |     |     |     |     |     |     |     | 3  | 90 |    |   |    |   |  |
| Module 5<br>Principle of                                     | Communication Principles                                   | L    |    |     |     |     |     |     |     |     | 5   | 150 |    |    |    |   |    |   |  |
|  | Experiment (Basics of Communication Technology)            | P    |    |     |     |     |     |     |     |     | 2   | 60  |    |    |    |   |    |   |  |



|  |   |                |     |     |    |     |    |   |     |     |   |     |   |     |   |     |  |  |  |
|--|---|----------------|-----|-----|----|-----|----|---|-----|-----|---|-----|---|-----|---|-----|--|--|--|
| Engineering Technology                         | Modern Information Network and Innovation                   |                | L&P |     |    |     |    |   |     |     | 9 | 270 |   |     |   |     |  |  |  |
|  | Principles of Telecommunication Transmission                |                | L&P |     |    |     |    |   |     |     |   |     | 9 | 270 |   |     |  |  |  |
|  | Mobile Communication Principle and Technology               |                | L&P |     |    |     |    |   |     |     |   |     | 9 | 270 |   |     |  |  |  |
| Module 6<br>Engineering Construction           | Survey of the Telecommunication Engineering and Management  |                | L   | 0.5 | 15 |     |    |   |     |     |   |     |   |     |   |     |  |  |  |
|  | Engineering Drafting and CAD                                |                | L   |     |    | 2.5 | 75 |   |     |     |   |     |   |     |   |     |  |  |  |
|  | Communication Engineering Economics and Economic Evaluation |                | L&P |     |    |     |    |   |     |     | 6 | 180 |   |     |   |     |  |  |  |
|  | Telecommunication Engineering Project Budget Application    |                | L&P |     |    |     |    |   |     |     | 6 | 180 |   |     |   |     |  |  |  |
| Module 7<br>Engineering Management             | Enterprise Management                                       |                | L   |     |    |     |    | 6 | 180 |     |   |     |   |     |   |     |  |  |  |
|  | Telecommunication Engineering Project Management            |                | L&P |     |    |     |    |   | 6   | 180 |   |     |   |     |   |     |  |  |  |
|  | Operations Management                                       |                | L   |     |    |     |    |   |     |     |   |     |   |     | 6 | 180 |  |  |  |
|  | Information Resource Management                             | Two choose one | L   |     |    |     |    |   |     |     |   |     |   |     |   |     |  |  |  |
|  | Innovation & Entrepreneurship Management                    |                |     |     |    |     |    |   |     |     |   |     |   |     | 6 | 180 |  |  |  |
| Module 8<br>Advanced technology & Applications | Telecommunication Engineering Budding and Tendering         | Two choose one | L   |     |    |     |    |   | 6   | 180 |   |     |   |     |   |     |  |  |  |
|  | Telecommunication Bearer Network Engineering Application    |                |     |     |    |     |    |   |     |     |   |     |   |     |   |     |  |  |  |
|  | Telecommunication Engineering Security Management           | Two choose one | L   |     |    |     |    |   |     |     |   |     | 6 | 180 |   |     |  |  |  |





|  |  |                  |   |   |    |     |    |   |    |   |    |   |    |    |   |    |  |  |  |
|--|--|------------------|---|---|----|-----|----|---|----|---|----|---|----|----|---|----|--|--|--|
| Occupation Accomplishment Development                                  | Guidance for College Students' Mental Health                   |                  | L |   |    |     |    | 1 | 30 |   |    |   |    |    |   |    |  |  |  |
|  | Key Career Abilities   |                  | L |   |    |     |    |   |    |   |    |   | 1  | 30 |   |    |  |  |  |
|  | Basics for College Students' Entrepreneurship                  |                  | L |   |    | 0.5 | 15 |   |    |   |    |   |    |    |   |    |  |  |  |
|  | Practice for College Students' Entrepreneurship                |                  | P |   |    |     |    |   |    |   |    |   |    |    | 1 | 30 |  |  |  |
| Module 13 Management and Business                                      | Human Resource Management                                      |                  | L | 1 | 30 |     |    |   |    |   |    |   |    |    |   |    |  |  |  |
|  | Financial Management   |                  | L |   |    |     |    | 1 | 30 |   |    |   |    |    |   |    |  |  |  |
|  | Strategic Management of Enterprises in the era of "Internet +" |                  | L |   |    |     |    |   |    | 1 | 30 |   |    |    |   |    |  |  |  |
|  | Organizational Behavior  |                  | L |   |    |     |    |   |    |   |    |   | 1  | 30 |   |    |  |  |  |
|  | Consumer Psychology  |                  | L |   |    |     |    |   |    |   |    | 1 | 30 |    |   |    |  |  |  |
|  | Brand and Marketing Management in The Era of Mobile Commerce   |                  | L |   |    |     |    |   |    |   |    |   | 1  | 30 |   |    |  |  |  |
|  | Investment and Financing Management                            | Two choose one   | L |   |    |     |    |   |    | 1 | 30 |   |    |    |   |    |  |  |  |
|  | Online Advertising   |                  |   |   |    |     |    |   |    |   |    |   |    |    |   |    |  |  |  |
| Module 14 The Practice of Moral, Intellectual, Physical and Aesthetics | Classic Speech   | Two choose one   | L |   |    |     |    | 1 | 30 |   |    |   |    |    |   |    |  |  |  |
|  | Rhetoric and Persuasion  |                  |   |   |    |     |    |   |    |   |    |   |    |    |   |    |  |  |  |
|  | On Justice   |                  | L |   |    |     |    |   |    | 1 | 30 |   |    |    |   |    |  |  |  |
|  | On Happiness: Positive Psychology                              | Three choose two | L |   |    |     |    |   |    | 2 | 60 |   |    |    |   |    |  |  |  |
|  | A Brief History of Time  |                  |   |   |    |     |    |   |    |   |    |   |    |    |   |    |  |  |  |
|  | Modern Economic Geography of China                             |                  |   |   |    |     |    |   |    |   |    |   |    |    |   |    |  |  |  |



|              |   |  |                |    |    |      |    |    |     |      |    |    |    |    |  |    |    |    |     |
|--------------|---|--|----------------|----|----|------|----|----|-----|------|----|----|----|----|--|----|----|----|-----|
|              | Ideological Education and Fundamentals of Law   |  | L&P            | 1  | 30 |      |    |    |     |      |    |    |    |    |  |    |    |    |     |
|              | Compendium of Modern Chinese History  |  | L              |    |    |      |    |    | 1.5 | 45   |    |    |    |    |  |    |    |    |     |
|              | Basic Principles of Marxism   |  | L&P            | 2  | 60 |      |    |    |     |      |    |    |    |    |  |    |    |    |     |
|              | Introduction to Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics |  | L&P            |    |    | 1.5  | 45 |    |     |      |    |    |    |    |  |    |    |    |     |
|              | Situation and Policy  |  | L&P            | 0  | 30 |      |    | 0  | 30  |      |    | 0  | 30 |    |  | 0  | 30 |    |     |
|              | Military Theory and Training  |  | P              | 1  | 30 |      |    |    |     |      |    |    |    |    |  |    |    |    |     |
|              | Physical Education (1)  |  | L&P            | 1  | 30 |      |    |    |     |      |    |    |    |    |  |    |    |    |     |
|              | Physical Education (2)  |  | L&P            |    |    | 1    | 30 |    |     |      |    |    |    |    |  |    |    |    |     |
|              | Physical Education (3)  |  | L&P            |    |    |      |    | 1  | 30  |      |    |    |    |    |  |    |    |    |     |
|              | Physical Education (4)  |  | L&P            |    |    |      |    |    |     | 1    | 30 |    |    |    |  |    |    |    |     |
|              | Celebrity Forum   |  | Two choose one | L  | 1  | 30   |    |    |     |      |    |    |    |    |  |    |    |    |     |
|              | Top-teacher Class   |  |                | L  |    |      |    |    |     |      |    |    |    |    |  |    |    |    | SUM |
| CP/ semester |   |  |                | 28 |    | 30.5 |    | 29 |     | 32.5 |    | 33 |    | 32 |  | 28 |    | 27 | 240 |

**Note:**

1. CP: Credit point
2. W: Week
3. L&P: Learning and practice