List of the required courses of the Department of Economics and Finance, Ming Chuan University (applicable to the 2016 freshman class)

| course |  | Credit | Hours | $1^{\text {st }}$ year |  |  |  | $2^{\text {nd }}$ year |  |  |  | $3^{\text {rd }}$ year |  |  |  | $4^{\text {th }}$ year |  |  |  | Note |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Spring |  | Fall |  | Spring |  | Fall |  | Spring |  | Fall |  | Spring |  | Fall |  |  |
|  |  | class |  | ss lab c | class | lab | class | lab | class | lab | class | lab | class 1 | lab | class | lab | class 1 | lab |  |
| Core <br> Required <br> Courses | Chinese Literature Appreciation and Creative Writing I |  | 2 | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Chinese Literature: <br> Appreciation and Creative Writing II |  | 2 | 2 |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  | Note 1 |
|  | Practical English I | 0 | 2 | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Practical English II | 0 | 2 |  |  | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Practical English III | 0 | 2 |  |  |  |  | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Practical English IV | 0 | 2 |  |  |  |  |  |  | 1 | 1 |  |  |  |  |  |  |  |  |  |  |
|  | English for Business Communication I | 2 | 3 |  |  |  |  |  |  |  |  | 2 | 1 |  |  |  |  |  |  |  |  |
|  | English for Business Communication II | 2 | 3 |  |  |  |  |  |  |  |  |  |  | 21 | 1 |  |  |  |  |  |  |
|  | Practical English for Professional Purposes I | 2 | 3 |  |  |  |  |  |  |  |  |  |  |  |  | 2 | 1 |  |  |  |  |
|  | Practical English for Professional Purposes II | 2 | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | 1 |  |  |
|  | Applied Information Technology: Office Software | 2 | 3 | 2 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Applied Information Technology: Data Processing | 2 | 3 |  |  | 2 | 1 |  |  |  |  |  |  |  |  |  |  |  |  | Note 1 |  |
|  | general education | 12 | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Note 2 |  |
|  | Physical Education I ~ VI | 0 | 12 | 2 |  | 2 |  | 2 |  | 2 |  | 2 |  | 2 |  |  |  |  |  |  |  |
|  | subtotal | 28 | 54 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} \text { Professional } \\ \text { Required } \\ \text { Courses } \end{gathered}$ | Economics I | 3 | 5 |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Economics II | 3 | 5 |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Calculus | 3 | 4 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Economic mathematics | 3 | 4 |  |  | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Introduction to finance and financial ethics | 2 | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Accounting I | 3 | 5 | 3 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Accounting II | 3 | 5 |  |  | 3 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Statistics I | 3 | 4 |  |  |  |  | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |


|  | Statistics II |  | 3 | 4 |  |  |  |  |  |  | 3 | 1 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Microeco | nomics I | 3 | 5 |  |  |  |  | 3 | 2 |  |  |  |  |  |  |  |  |  |  |  |
|  | Microeco | nomics II | 3 | 5 |  |  |  |  |  |  | 3 | 2 |  |  |  |  |  |  |  |  |  |
|  | Macroec | onomics I | 3 | 5 |  |  |  |  | 3 | 2 |  |  |  |  |  |  |  |  |  |  |  |
|  | Macroec | onomics II | 3 | 5 |  |  |  |  |  |  | 3 | 2 |  |  |  |  |  |  |  |  |  |
|  | Financia <br> I | Management | 2 | 3 |  |  |  |  | 2 | 1 |  |  |  |  |  |  |  |  |  |  |  |
|  | Financia <br> II | al Management | 2 | 3 |  |  |  |  |  |  | 2 | 1 |  |  |  |  |  |  |  |  |  |
|  | Money and | nd Banking | 2 | 2 |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |
|  | Econome | etrics I | 2 | 3 |  |  |  |  |  |  |  |  | 2 | 1 |  |  |  |  |  |  |  |
|  | Econome | trics II | 2 | 3 |  |  |  |  |  |  |  |  |  |  | 2 | 1 |  |  |  |  |  |
|  | Financial | Economics | 2 | 2 |  |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |
|  | Internatio | nal finance | 2 | 2 |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |
|  | Industrial | economics | 2 | 2 |  |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |
|  | Investme |  | 3 | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |
|  | Seminar | on Economics I | 1 | 1 |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |
|  | Seminar | on Economics II | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |
|  | Business | Practicum I | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |
|  | Business | Practicum II |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |  |  |
|  | subtotal |  | 63 | 87 | 9 | 5 | 9 | 5 | 11 | 4 | 11 | 4 | 11 | 1 | 6 | 1 | 4 | 1 | 1 | 1 |  |
|  |  | Financial Markets and Institutions (E) | 3 | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  | taught in <br> English |
|  |  | Financial Institutions Management | 3 | 3 |  |  |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |
|  |  | Analysis of financial statements | 3 | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |
| Elective Courses s | Elective By major | International corporate finance | 3 | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |
|  |  | E-commerce of finance | 3 | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |
|  |  | Information system of finance | 3 | 3 |  |  |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |


| Mining and analysis of big data | 3 | 3 |  |  |  |  |  |  |  |  |  | 3 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Financial technology | 3 | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |
| Software <br> Packages in <br> Economics | 3 | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  | Computer course |
| Managerial Economics | 3 | 3 |  |  |  |  |  | 3 |  |  |  |  |  |  |  |
| Healthcare <br> industry | 3 | 3 |  |  |  | 3 |  |  |  |  |  |  |  |  |  |
| Industrial <br> Economics <br> Analysis | 3 | 3 |  |  |  |  |  |  |  |  |  | 3 |  |  |  |
| Labor <br> Economics | 3 | 3 |  |  |  |  |  | 3 |  |  |  |  |  |  |  |
| Trade theory and policy | 3 | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |
| Economics of regulation | 3 | 3 |  |  |  |  |  |  |  |  |  |  |  | 3 |  |
| Seminar in regional economics | 3 | 3 |  |  |  |  |  |  |  |  |  | 3 |  |  |  |
| International <br> Business | 3 | 3 |  |  |  |  |  |  |  |  |  | 3 |  |  |  |
| Seminar in cross-strait economics | 3 | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |
| Management of financial risks | 3 | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |
| Development of financial instruments | 3 | 3 |  |  |  |  |  |  |  |  |  | 3 |  |  |  |
| Futures and Options | 3 | 3 |  |  |  |  |  |  |  | 3 |  |  |  |  |  |
| Financial laws | 3 | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |


|  | Individual financial planning | 3 | 3 |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Ethical <br> Economics | 3 | 3 |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |
|  | Seminar in economic and financial news | 3 | 3 |  |  |  |  |  |  |  |  |  |  | 3 |  |  |  |
|  | On-line micro enterprise | 3 | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |
|  | Public <br> Finance | 3 | 3 |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |
|  | Analysis of IT industry | 3 | 3 |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |
|  | Reading in economic and financial materials | 3 | 3 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |
|  | Game Theory and Its Application | 3 | 3 |  |  |  |  |  |  |  |  |  |  |  | 3 |  |  |
|  | Insurance | 3 | 3 |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |
|  | Management | 3 | 3 |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |
|  | Introduction to Civil Code | 2 | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Business Law | 2 | 2 |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |
|  | English for Economics and Trade I | 2 | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Other <br> Electives | English for Economics and Trade II | 2 | 2 |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |
|  | All-out Defense Education Military Training A | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | All-out Defense Education Military Training B | 0 | 2 |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |
|  | aid training 1 | 0 | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | aid training 2 | 0 | 2 |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |


|  | All-out Defense Education Military Training C | 0 | 2 |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All-out Defense Education Military Training D | 0 | 2 |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |
|  | Physical Education | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  | 2 |  |  |  |
|  | Physical Education | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |  |  |
|  | Japanese I | 2 | 3 |  |  |  | 2 | 1 | 2 | 1 |  |  |  |  |  |  |  |  |  |
|  | Japanese II |  | 3 |  |  |  |  |  |  |  | 2 |  | 12 |  | 1 |  |  |  |  |
|  | Core Required Courses | 28 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | required courses | 91 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Required <br> Course | minimal credits for <br> elective courses | 37 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | total credits | 128 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## Note :

1. In accordance with the university code, undergraduates must pass the evaluation of service-and-learning, English proficiency, IT literacy, Chinese proficiency, fitness requirement, major core competency before graduation.
2. Students must take 12 credit hours from general education courses, which are classified into three categories: arts and literature, social science, and natural science. Each of the three categories is further divided into core and extension levels from which students must take at least 1 course to fulfill graduation requirement.
3. The elective courses of the department covers the fields of industry economics and finance and students are required to take at least 3 courses from each field.

| Classify | (1) Industry Economics | (2) Finance |
| :--- | :--- | :--- |
| Courses | Trade theory and policy | Analysis of financial <br> statements |
|  | Industrial Economics <br> Analysis | Futures and Options |
|  | Managerial Economics | International corporate <br> finance |
|  | Game Theory <br> and Its <br> Application | Individual financial <br> planning |
|  | Economics of regulation | Management of financial <br> risks |
|  | Healthcare industry | Financial Markets and <br> Institutions (E) |
|  | Seminar in regional <br> economics | Financial Institutions <br> Management |


|  | Labor Economics | Development of financial <br> instruments |
| :--- | :--- | :--- |
|  | On-line micro enterprise | E-commerce of finance |
|  | Analysis of IT industry | Information system of <br> finance |
|  | International Business | E-commerce of finance |
|  | Environmental <br> Economics | Financial technology |
|  | Seminar in cross-strait <br> economics | Mining and analysis of <br> big data |
|  | Financial laws |  |
|  | Reading in economic <br> and financial materials |  |

4. All the credits earned from the elective courses of the 3 fields or at most 20 credits from the elective courses of the other departments will be accepted. However, it is required that all students must finish at least 18 credits from the department elective courses.
5. Any credits beyond the 12 from general education and education program is not counted as the graduation credits.
6. A 2-semester (total 6 credits) non-synchronized on-line economics course will be added hereon.
7. The elective courses listed in the course structure will be applicable to students enrolled in the department before 2016.
8. Public finance, financial economics, and economic history will be offered on both semesters alternately.
9. Upon the approval of the chairman of the department, students that need to retake certain required courses can enroll in the courses offered by the other departments with the same title and credit hours. This code applies to the students enrolling in the department before 2016.
10.The credits of interdisciplinary focused course program are not included in course structure diagram that can be regarded as the other department credits.
