

## Distance Learning at Institutions of Higher Education - Course Outline (Template)

### Instructions:

- Pursuant to **Article 6 of the Implementation Regulations Regarding Distance Learning by Universities:** Universities offering distance learning courses shall present a course plan drawn up by the course-offering unit, comply with the regulations and procedure stated in the Enforcement Rules of the University Act and the Junior College Act, submit it for approval by the academic affairs-related council, and post it on the Internet. The course plan referred to in the preceding paragraph shall set forth course objectives, the target student group, a course outline, teaching methods, interactive student-teacher discussion, performance evaluation methods, and matters for special attention.
- The course outline is as follows. Please enter a valid link to the course outline into the column "Course Outline" on <http://ucourse-tvc.yuntech.edu.tw/WebU/index.aspx> or <http://course-c.yuntech.edu.tw/Web/index.aspx>.
- This format only includes basic items. Universities and colleges may revise the format to meet their needs.

**School Name: I-Shou University, International College**

**Course Period: 1 Semester of AY 2024 (Is this course a newly-offered one in this semester?  Yes  No)**

### I. Course Information (Please tick appropriate boxes)

1.	Course title in Chinese	財務應用模型
2.	Course title in English	Financial Application Modelling
3.	Teaching style	<input type="checkbox"/> Asynchronous online learning <input checked="" type="checkbox"/> Synchronous online learning (as the course provider) Please fill in the school and the department receiving the course. School: ISU, International College Department: IF
4.	Course instructor and academic rank	Plamen Patev, Associate Professor
5.	Source of the course instructor	<input checked="" type="checkbox"/> Department <input type="checkbox"/> Center for General Education <input type="checkbox"/> Both <input type="checkbox"/> Others
6.	Course offered by (or the college and the department)	I Shou University, International College, International Finance Department
7.	Degree Program	<input checked="" type="checkbox"/> BS <input type="checkbox"/> Evening BS <input type="checkbox"/> In-service BS <input type="checkbox"/> MS <input type="checkbox"/> In-service MS <input type="checkbox"/> PhD <input type="checkbox"/> College ( <input type="checkbox"/> Two-year <input type="checkbox"/> Four-year ) <input type="checkbox"/> Junior college ( <input type="checkbox"/> Two-year <input type="checkbox"/> Four-year ) <input type="checkbox"/> Evening junior college <input type="checkbox"/> Evening college ( <input type="checkbox"/> Two-year <input type="checkbox"/> Four-year <input type="checkbox"/> In-service MS ) <input type="checkbox"/> Degree program ( <input type="checkbox"/> Two-year <input type="checkbox"/> Four-year <input type="checkbox"/> MS ) <input type="checkbox"/> Credit program
8.	Division	<input checked="" type="checkbox"/> Daytime <input type="checkbox"/> Evening <input type="checkbox"/> Others
9.	Course category	<input type="checkbox"/> Common courses <input type="checkbox"/> General education courses <input type="checkbox"/> School-required courses <input checked="" type="checkbox"/> Professional courses <input type="checkbox"/> Educational courses <input type="checkbox"/> Others
10.	Required by	<input type="checkbox"/> Ministry of Education <input type="checkbox"/> School <input checked="" type="checkbox"/> College <input type="checkbox"/> Institute/Program <input type="checkbox"/> Department <input type="checkbox"/> Others

11.	Offering period (semester)	<input checked="" type="checkbox"/> One semester (half a year) <input type="checkbox"/> Two semesters (one year) <input type="checkbox"/> Others
12.	Required/Elective	<input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/> Others
13.	Number of Credits	3
14.	Weekly teaching hours	2.61
15.	Number of classes	1
16.	Expected number of students	20
17.	English-taught course	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
18.	Collaboration with overseas academic institutions (please specify, if any)	School and department: _____ <input type="checkbox"/> Provider in Taiwan <input type="checkbox"/> Receiver in Taiwan <input type="checkbox"/> Overseas program <input type="checkbox"/> Dual-degree program <input type="checkbox"/> Others
19.	Website of the course platform (required for asynchronous online learning)	Moodle
20.	Weblink of the course outline	<a href="https://moodle.isu.edu.tw/">https://moodle.isu.edu.tw/</a>

## II. Teaching Plan

I.	Objectives	The course is fundamental for developing analytical skills for financial analysis and making decisions in financial management using programming with Tableau. The main goal of the course is to develop analytical skills in students. First, they will be able to download the data from public database - TEJ. Second, based on this information they can process the data with Tableau. Third, they will be able to prepare dashboards of financial information which can be used for making managerial decisions.
II.	Target students	Students with some knowledge in financial analysis which want to expand their knowledge into data analysis

		(Please fill in what and how you will lecture every week)			
Week	Content	Teaching method and hours (please specify hours, if any)			
		Face-to-face	Distance teaching		
			Asynchronous	Synchronous	
1	Introduction of the course	3	no	no	
2	Installation of the Tableau software and working with TEJ database	3	no	no	
3	Working with Tableau Prep Builder	no	0.5	2.5	
4	Working with Tableau Desktop	no	0.5	2.5	
5	Time-series presentation of the Balance Sheet of a company in Tableau dashboard	no	0.5	2.5	
6	Time-series presentation of the Income Statement of a company in Tableau dashboard	no	0.5	2.5	
7	Time-series presentation of the Cash flow of a company in Tableau dashboard	no	0.5	2.5	
8	Time-series ratio analysis with Tableau dashboard of a company	no	0.5	2.5	
9	DuPont Model with Tableau dashboard of a company	no	0.5	2.5	
10	Exam	3	no	no	
11	Cross Section analytical Tableau dashboard for financial analysis 1	no	0.5	2.5	
12	Cross Section analytical Tableau dashboard for financial analysis 1	no	0.5	2.5	

III.

Course  
outline/syllabus

		13	Valuation Tableau dashboard 1	no	0.5	2.5
		14	Valuation Tableau dashboard 2	no	0.5	2.5
		15	Investment Tableau dashboard 1	no	0.5	2.5
		16	Investment Tableau dashboard 1	no	0.5	2.5
		17	Exam	3	no	no
		18	Study after Exam	no	0.5	2.5
IV.	Teaching methods	(Tick all that apply) <input type="checkbox"/> 1. Key and additional teaching materials for online learning <input checked="" type="checkbox"/> 2. Asynchronous online teaching <input checked="" type="checkbox"/> 3. Online instructors or online teaching assistants available <input checked="" type="checkbox"/> 4. Face-to-face teaching: 4 times; 12 hours in total <input checked="" type="checkbox"/> 5. Synchronous online teaching: 14 times; 35 hours in total <input type="checkbox"/> 6. Others (please specify):				

V.	Learning management system	<p>Does it have the following <b>roles and functions</b>? (Tick all that apply)</p> <p>1. The administrator can manage</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Personal information</li> <li><input checked="" type="checkbox"/> Course information</li> <li><input type="checkbox"/> Other information</li> </ul> <p>2. The course instructor (or the teaching assistant) and students can</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Release and browse the latest news</li> <li><input checked="" type="checkbox"/> Design, watch, and download teaching materials</li> <li><input type="checkbox"/> Manage and inquire about scores</li> <li><input type="checkbox"/> Administer and take online tests</li> <li><input checked="" type="checkbox"/> Acquire learning information</li> <li><input checked="" type="checkbox"/> Have Interactive activities (a chatroom or forum)</li> <li><input checked="" type="checkbox"/> Present different teaching activities</li> <li><input type="checkbox"/> Others (please specify)</li> </ul>
VI.	Interaction between the course instructor and students	e-mails, MSTeams
VII.	Assignment submission <b>measure</b>	<p>(Tick all that apply)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 1. Online assignment description</li> <li><input type="checkbox"/> 2. Online real-time assignment completion</li> <li><input checked="" type="checkbox"/> 3. Upload and download assignments</li> <li><input type="checkbox"/> 4. Online tests</li> <li><input type="checkbox"/> 5. Score inquiries</li> <li><input type="checkbox"/> 6. Others (please specify)</li> </ul>
VIII	Scoring criteria	<p>Midterm exam 20%</p> <p>Final exam 20%</p> <p>Assignments 50%</p> <p>Online discussion in class 10%</p>
IX.	<b>Notices about the course</b>	