

## Tamkang University Academic Year 110, 1st Semester Course Syllabus

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|---|--|------------|---|
| Course Title  | MOBILE DEVICE PROGRAMMING  | Instructor | HSUAN-PU CHANG  |
| Course Class  | TABXB3P<br>DEPARTMENT OF INFORMATION AND LIBRARY<br>SCIENCE, 3P  | Details    | <ul style="list-style-type: none"> <li>◆ General Course</li> <li>◆ Selective</li> <li>◆ One Semester</li> </ul> |
| Relevance to SDGs   | SDG4 Quality education   |            |   |
| <b>Departmental Aim of Education</b>  |  |            |   |
| Our mission is to educate and train library and information professionals.  |  |            |   |
| <b>Subject Departmental core competences</b>  |  |            |   |
| C. To understand concepts relating to information technology and systems, and be able to put them in use.(ratio:100.00) |  |            |   |
| <b>Subject Schoolwide essential virtues</b>   |  |            |   |
| 2. Information literacy. (ratio:50.00)  |  |            |   |
| 5. Independent thinking. (ratio:50.00)  |  |            |   |
| <b>Course Introduction</b>  | This class will guide students to use the tools and resources of programming on mobile devices. Prior knowledge about HTML, CSS, and JavaScript is required. |            |   |
|   |  |            |   |

**The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.**

Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.

I. Cognitive : Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.

II.Affective : Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.

III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.

| No. | Teaching Objectives                                       | objective methods |
|-----|---|-------------------|
| 1   | Understanding how to develop a program on mobile devices  | Cognitive         |
| 2   | Understanding the features of a program on mobile devices | Psychomotor       |

The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment

| No. | Core Competences | Essential Virtues | Teaching Methods                            | Assessment   |
|-----|------------------|-------------------|---|--|
| 1   | C                | 25                | Lecture, Discussion, Publication, Practicum | Study Assignments, Discussion(including classroom and online), Practicum |
| 2   | C                | 25                | Lecture, Publication, Practicum             | Study Assignments, Practicum   |

**Course Schedule**

| Week | Date                  | Course Contents                               | Note |
|------|-----------------------|---|------|
| 1    | 110/09/22 ~ 110/09/28 | Introduction                                  |      |
| 2    | 110/09/29 ~ 110/10/05 | javaScript introduction(1)                    |      |
| 3    | 110/10/06 ~ 110/10/12 | HTML ∙ CSS review (1)                         |      |
| 4    | 110/10/13 ~ 110/10/19 | HTML ∙ CSS review (2)                         |      |
| 5    | 110/10/20 ~ 110/10/26 | Make a interactive Web app with javaScript(1) |      |
| 6    | 110/10/27 ~ 110/11/02 | Make a interactive Web app with javaScript(2) |      |
| 7    | 110/11/03 ~ 110/11/09 | Midterm evaluation preparation                |      |
| 8    | 110/11/10 ~ 110/11/16 | Peer review(1)                                |      |
| 9    | 110/11/17 ~ 110/11/23 | Midterm Exam Week                             |      |
| 10   | 110/11/24 ~ 110/11/30 | Jquery Mobile (0)                             |      |

|                                  |  |                                       |  |
|----------------------------------|--|---------------------------------------|--|
| 11                               | 110/12/01 ~<br>110/12/07   | Jquery Mobile (1)                     |  |
| 12                               | 110/12/08 ~<br>110/12/14   | Jquery Mobile (2)                     |  |
| 13                               | 110/12/15 ~<br>110/12/21   | Using PhoneGap to create a native APP |  |
| 14                               | 110/12/22 ~<br>110/12/28   | Creating your APP with jQuery (1)     |  |
| 15                               | 110/12/29 ~<br>111/01/04   | Creating your APP with jQuery (2)     |  |
| 16                               | 111/01/05 ~<br>111/01/11   | Final work peer review (1)            |  |
| 17                               | 111/01/12 ~<br>111/01/18   | Final work peer review (2)            |  |
| 18                               | 111/01/19 ~<br>111/01/25   |                                       |  |
| Requirement                      | Prior knowledge about HTML, CSS, and JavaScript is required.   |                                       |  |
| Teaching Facility                | Computer, Projector  |                                       |  |
| Textbooks and Teaching Materials | 課程正式開始後公佈  |                                       |  |
| References                       | 課程正式開始後公佈  |                                       |  |
| Number of Assignment(s)          | 5 (Filled in by assignment instructor only)  |                                       |  |
| Grading Policy                   | ◆ Attendance : 20.0 %   ◆ Mark of Usual : 30.0 %   ◆ Midterm Exam : 20.0 %<br>◆ Final Exam : 30.0 %<br>◆ Other < > : %   |                                       |  |
| Note                             | This syllabus may be uploaded at the website of Course Syllabus Management System at <a href="http://info.ais.tku.edu.tw/csp">http://info.ais.tku.edu.tw/csp</a> or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at <a href="http://www.acad.tku.edu.tw/CS/main.php">http://www.acad.tku.edu.tw/CS/main.php</a> .<br><b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b> |                                       |  |