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| 2017-FPTU-L-01 | **KẾ HOẠCH TRIỂN KHAI HỌC PHẦN**  PLAN OF COURSE IMPLEMENTATION |

DANANG CAMPUS

**Tên học phần/***Course name: Thực hành OOP với Java*  
*OOP with Java Lab*

1. **Thời gian triển khai: Học kỳ: Summer 2023 từ** **07/05/2023 đến 22/07/2023**

*Duration: Semester ………from………to……*

1. **Số lớp triển khai/***Number of classes : 1*
2. **Đề cương triển khai:** <nêu tên, link syllabus triển khai trên LMS>

*Implement in accordance with Syllabus: <name of syllabus and link to LMS>*

1. **Danh sách Giảng viên triển khai học phần/** *List of Classes and Lecturers:*

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| STT  *No.* | Tên giảng viên  *Lecturer* | STT  *No.* | Tên giảng viên  *Lecturer* |
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1. **Danh sách giảng viên hỗ trợ, trợ giảng, khách mời (nếu có),**

*Supporting Lecturers, assistants, guest speakers (if any)*

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| STT  No. | Họ và tên  Full name | Vai trò  Role | Nội dung  Content | Thời lượng  Duration | Thời gian  Time | Số lớp  No of Class | Kinh phí  Budget |
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1. **Các hoạt động phát sinh:** *Addtional Activities:*

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| STT  No. | Họ và tên  Full name | Mục tiêu  Target | | Thời lượng  Duration | Thời gian  Time | Số lớp  No of Class | Kinh phí  Budget |
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1. **Tài liệu tham khảo bổ sung/***Additional References:*
2. **Môi trường, công cụ triển khai bổ sung/** *Update Environments and Tools (if any):*
3. Thực hiện giảng dạy hoặc sử dụng trên những website nào:

*Websites for Teaching or Using:*

1. Yêu cầu về công cụ, kỹ thuật đặc thù gì *(cái gì, ở đâu, như thế nào…)*

*Specific Tools and technical required (What? Where? How?, etc.)*

*1. netbeans-8.0.2*

*2. CheckStyle plugin for netbeans*

*3. JAVA DOC*

*4. JDK8*

*5. Tomcat Apache 8*

*6. Microsoft Excel 2007 or above*

*7. Microsoft Powerpoint 2007 or above*

*8. Microsoft Word 2007 or above*

*9. Microsoft Windows XP or above*

1. Kênh trao đổi thông tin giữa thầy và trò *(kể cả việc nộp bài, cho điểm, nhận xét…)*

*Communication channels among lecturers and students (including submitting assignments, marking, and giving comment)*

*LMS, Zalo*

***10. Lịch triển khai môn học***

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| *Slot* | *Week* | *Chapter -Topic -Content* | *Assessment* | *Assignment Homework* | *Note* |
| *1* | *07/05/2023* | * Orientation |  |  |  |
| *2* | Bubble sort algorithm  Binary search algorithm |  | - Letter and character count  - Quick sort algorithm  - Change base number system (16, 10, 2) program  - Linear search. |  |
| *3* | *14/05/2023* | - Create a Java console program to manage Candidates of company |  | Memory cache management program |  |
| *4* | - Mentor review 1/ Assessment 1  - Memory cache management program |  |  |
| *5* | *21/05/2023* | - Create a Java console program to manage a Fruit Shop (Product and Shopping). |  | - Create a Java console program to manage students. |  |
| *6* | - Create a Java console program to manage a Fruit Shop (Product and Shopping). |  |  |
| *7* | *28/05/2023* | Mentor review 2/Progress Assessment 2 |  | - Create a Java console program to normalize text (cont’d)  - Solving the equation, find the square numbers, even numbers, and odd numbers  - Write a program to manage the geographic. |  |
| *8* | Create a Java console program to normalize text. |  |  |
| *9* | *04/06/2023* | Develop a computer program |  | - Sort one-dimensional array with bubble sort algorithm  - Doctor management program  - User management system |  |
| *10* | Develop the Contact Management Program |  |  |
| *11* | *11/06/2023* | Mentor review 3/Progress Assessment 3  Program to manage worker information |  | - Write program dictionary  - The program handles files  - Create a program to calculate perimeter and area  - Input, sort and display student information |  |
| *12* | Create a program to analyze file path.  Input and display Person Info |  |  |
| *13* | *18/06/2023* | Check data format |  | - Task management program of CCRM project  - Program to manage expense, name Handy Expense |  |
| *14* | Mentor review 4/Progress Assessment 4   Analyze the user input string. |  |  |
| *15* | *25/06/2023* | Login system of the Tien Phong Bank’s Ebank |  | - Login system of the Tien Phong Bank’s Ebank cont’d  - Write a calculator program (from DCPS’s project)  - Handle file program (extraction from CBDT project) |  |
| *16* | Login system of the Tien Phong Bank’s Ebank |  |  |
|  | *02/07/2023* | ***Nghỉ hè*** | | | |
|  |
| *17* | *09/07/2023* | Mentor review 5/Progress Assessment 5 |  | - Building module csv file format  - Writing module to list and search file by content (CBDT project).  - Create a program to zip and unzip file (project CBDT) |  |
| *18* | - Create a program to copy file  - Stacks |  |  |
| *19* | *16/07/2023* | Final exam |  | - Shapes  - Bees  - Large number |  |
| *20* | Review/Additional practices (if any) |  |  |

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| Người phê duyệt/*Approver*  *GĐCS/Campus’s Director* | Người kiểm tra/*Reviewer*  *TBĐT/Head of Academic Affairs Board)* | Người lập/*Creator*  *CNBM/Head of department* |
|  |  |  |
| Họ tên/*Name:*  Ngày/*Date:* | Họ tên/*Name:*  Ngày/*Date:* | Họ tên/*Name:*  Ngày/*Date: 26/04/2023* |