

### **1 Why is this course created?**

This course prepares students for advanced programming courses by teaching them the essential programming and software development skills they need. Students will establish a strong foundation and acquire the necessary knowledge and skills to confidently enter advanced programming courses. This course is a steppingstone to more complex and specialised areas of software development, and it ensures that students have the foundational understanding they need to succeed.

### **2 Who is this course for?**

This course is designed for individuals who want to delve into the field of software development and programming. It is intended for:

1. Students with little or no prior programming experience who want to build a strong foundation in software development.
2. Those who plan to pursue advanced programming courses but lack the necessary foundational knowledge.
3. Individuals who are transitioning into a career in software development and require essential programming skills.
4. Anyone interested in acquiring fundamental programming and software development skills before moving on to more specialised areas within the field.

In summary, this course is suitable for a wide range of learners who are looking to start their journey in software development and need a solid starting point.

### **3 What are the course contents and structure?**

The course typically includes a well-organized curriculum that covers key topics, concepts, and practical applications in the subject area. The entire course contains three main Topics.

1. Software Development Principles
2. Programming with C++
3. Object Oriented Programming

### **4 How long is the course?**

#### **Online Learning:**

Participating in discussion forums, quizzes, and other course-related activities provided by the UP-Education learning platform Yoobeeonline.

Approximately 40% of the total hours.

This would be about 80 hours of online learning.

**Self-Directed Learning:**

Self-study, reading, research, and assignments.

Approximately 60% of the total hours.

This would be about 120 hours of self-directed learning.

The total duration of the course is 200 hours. Recommended completion in 3 months.

It is essential to remember that the actual time required to finish the course may vary from one student to another based on individual learning styles and the time each student can commit to their studies. Remember to take breaks, regularly review your work, and progress at your own pace.

**5 How is the course delivered (platform/time/workload, etc.)?**

The course is delivered through the UP Education online platform *Yoobe Online*, providing students with convenient access to course materials. Students will have the flexibility to choose when and where to study. Upon registration, students will receive comprehensive information about the course platform, instructions on navigating through the course, details on how to submit assignments, and guidelines for quizzes and assessments. This format ensures that students have the necessary resources and support to successfully complete the course.

**6 How do the assessments look like?**

Assessments in this course can vary in format and include quizzes, discussion forums. Students will have quizzes in multiple-choice question (MCQ) format at the end of the course to assess their learning progress and self-evaluate their understanding. These quizzes provide immediate feedback to help students gauge their performance. Additionally, there are discussion forums that further support the learning journey. These assessments are intended to evaluate students' comprehension and application of the course material.

**7 How to join/enrol the course?**

TBC