Aiming at Nurturing Human Resources Capable of Instantly Providing Industry with Strategic Skills

The PED Program was developed and inaugurated in April 2007 by the Yokohama National University Graduate School of Engineering in order to nurture business-oriented engineers and researchers capable of responding to the wide-ranging issues that face modern advanced societies, and it represents the first educational program of its kind. The focus of the program is aimed at nurturing human resources capable of providing industry with strategic skills through a curriculum that does not concentrate only on a knowledge of engineering, but also enables students to acquire the skills necessary to be active in society through such activities as presentation English and long-term internships, as well as dissertation reviews based on their proficiency as business-oriented engineers and researchers, etc. The program has already been completed by many students, and the effective results it has achieved led to it being awarded the Japanese Society for Engineering Education Award in 2013.

Features of the PED Program

- Enriched basic skills and practical application skills
- Problem-solving education in different studies every year or six months
- Courses on skills for giving presentations in English, internships, engineer ethics, and engineering management skills
- Credit reviews based on portfolios containing educational results
- Nurturing business-oriented engineers and researchers with problem-solving skills targeting innovations in diversified and advanced industrial corporations

The Difference between PED and TED

**PED Program**

- **Pi-type Engineering Degree**
- The PED program was established to provide education for business-oriented engineers and researchers capable of responding to the contemporary issues faced by a diverse range of high-level industries. It is known as the New Yokohama Style Graduate School Education program for studying multiple specialty modules linked into a basic knowledge of engineering.
- **Basic knowledge of technical management (common PED subjects) and engineering, presentation English in first half of course**
- **Module A**
  - A module for acquiring the basic knowledge of technical management and engineering.
  - A module for acquiring the basic knowledge of technical management and engineering.
- **Module B**
  - A module for acquiring the basic knowledge of technical management and engineering.

**TED Program**

- **T-type Engineering Degree**
- The program requires the students to study in their specific fields of specialty while belonging to research laboratories in the conventional manner, and they must compose dissertations (master’s thesis, doctoral thesis) in accordance with the student education regulations they have obtained through their studies and acquire a master’s degree in the fields of their thesis. They are required to compose their doctoral thesis as usual during doctoral course, and those thesis are reviewed from the point of view of them being business-oriented engineers and researchers serving as developing high-level articles.
- **Basic knowledge of engineering (common Graduate School of Engineering subjects and common specialization subjects)**
- **Module**
  - A module for acquiring the basic knowledge of technical management and engineering.
  - A module for acquiring the basic knowledge of technical management and engineering.
- **Module**
  - A module for acquiring the basic knowledge of technical management and engineering.

The PED Program website is now open.

- A website for students currently involved in the PED Program and student who have completed the program is now available:
- Webpage Menus
  - Introduction of Basic Subjects
  - History of PED
  - Introduction of the PED Management Office
  - FAQ Related to the PED Program
  - Opinions of Past Students

**Yokohama PED Program**

- **Graduate School of Engineering**
- **Pr-type Engineering Degree**

**Yokohama National University**

Website

- [Ped-program.ynu.ac.jp](http://ped-program.ynu.ac.jp)
- Website Menus
  - Students currently
  - Student who have completed
  - The PED Program website
  - Ynu.ac.jp
  - Graduate School of Engineering
  - Management Office

**Graduate School of Engineering**

- [Gakufu.Eng.ynu.ac.jp](http://gakufu.Eng.ynu.ac.jp)
- [Ped-alumni-alumnas.ynu.ac.jp](http://ped-alumni-alumnas.ynu.ac.jp)
The Master’s Course PED Program

The Doctoral Course PED Program

Guidance on composing dissertations provided in the studio so students can devote even more time to their specialty. The lectures are held on Saturdays and Sundays, making it an educational program that enables even working students to complete the course within a short period of time. Dissertations will be credited from the viewpoint of business people active in society.

The PED Program welcomes working people. Why not give an advanced graduate school education a try?

What is a Module?
An educational unit systematically comprising of studio-related lectures and lectures.

What is a Studio?
An educational system for providing advanced project-type practice through projects and full-fledged courses to small groups of people.

Working students can complete advanced graduate school education.

PDE program provides graduate school education services that last high levels of practical workability in Wisconsin where knowledge-integrated education givers. Company employees who already have a master’s degree and have accumulated research projects are on a path to be trained in a year. A project-oriented treatment system is aimed to support the high-level careers of working engineers, etc., who wish to accept new challenges.

Learn more about the "Research Planning Bio-Industry Studio" and "Professional Ethics in EU & US" courses on the following page.