

# OUR FACULTY



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## TEACHING ASSOCIATES



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# ABOUT US

The DFPPS or Department of Forest Products and Paper Science (formerly the Department of Wood Science and Technology), is one of the first departments organized when the then UPLB College of Forestry was departmentalized in the mid-1960s.

DFPPS envisions modern, globally competitive, and productive forest-based and pulp and paper industries that depend on a sustainable supply of wood and other biomass.

## CONTACT US

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University of the Philippines Los Baños  
College of Forestry and Natural Resources



HARNESSING FOREST RESOURCES  
FOR SUSTAINABLE PRODUCTS AND SOLUTIONS

# ACADEMIC OFFERINGS

## UNDERGRADUATE

**Forest Products and Paper Science:** **FPPS 11.** Wood Structure and Identification **FPPS 42.** Forest Products Utilization 1. **FPPS 43.** Forest Products Utilization 2. **FPPS 111.** Wood and Fiber Anatomy. **FPPS 112.** Bark Structure and Properties. **FPPS 119.** Marketing of Forest Products. **FPPS 121.** Wood Physics 1. **FPPS 124.** Timber Mechanics. **FPPS 125.** Wooden Structures. **FPPS 127.** Properties and Utilization of Forest Products. **FPPS 128.** Non-Timber Forest Products. **FPPS 131.** Wood Chemistry 1. **FPPS 132.** Pulp and Paper Technology. **FPPS 132.1.** Pulp and Paper Laboratory. **FPPS 134.** Wood Finishing. **FPPS 136.** Chemical Properties and Processing of Forest Products. **FPPS 139.** Fundamentals of Wet-End Chemistry in Paper Making. **FPPS 140.** Environmental Pollution in Forest Industries. **FPPS 141.** Lumber Manufacture and Grading. **FPPS 144.** Machining of Forest Products. **FPPS 147.** Furniture and Handicraft Production. **FPPS 151.** Seasoning of Wood and Related Products. **FPPS 161.** Preservation of Wood and Related Products. **FPPS 171.** Adhesives and Gluing. **FPPS 172.** Glued Wood Products Technology. **FPPS 181.** Quality Control. **FPPS 182.** Production Planning and Control. **FPPS 183.** Engineering Economic Analysis. **FPPS 190.** Special Problems. **FPPS 191.** Special Topics.

**Forestry.** **FOR 1.** Introduction to Forests and Forestry. **FOR 195.** Research Methods in Forestry and Natural Resources. **FOR 198.** Internship. **FOR 199.** Undergraduate Seminar. **FOR 200.** Undergraduate Thesis. **FOR 200a.** Practicum.

**Pulp and Paper Technology.** **PPT 170.** Instrumentation and Process Control for the Pulp and Paper Industry. **PPT 188.** Environmental Technology for the Pulp and Paper Industry. **PPT 193.** Pulp and Paper Plant Design. **PPT 198.** Internship. **PPT 199.** Undergraduate Seminar. **PPT 200.** Undergraduate Thesis. **PPT 200b.** Innovateering. **PPT 200c.** Engineering Industry Research.

**Natural Resources Conservation.** **NRC 150 (FPPS 152).** Forest-Based Rural Industries.

## GRADUATE

**WST 201.** Tree Growth and Wood Quality. **WST 202.** Wood Quality Evaluation. **WST 203.** Wood Chemistry 2. **WST 204.** Wood and Bark Extractives. **WST 205.** Paper Properties. **WST 211.** Instrumentation for Research. **WST 212.** Advance Quality Control in Wood Processing. **WST 221.** Wood Physics 2. **WST 222.** Elasticity of Wood and Wood-Based Materials. **WST 223.** Strength Properties of Timber and Glued Wood Products. **WST 241.** Wood Machining 2. **WST 225.** Wood Moisture Relations. **WST 260.** Wood-Resins Relations. **WST 262.** Advanced Wood Preservation. **WST 270.** Advanced Kiln Drying. **WST 282.** Analysis of Decision Alternatives. **WST 290.** Special Problems. **WST 291.** Special Topics. **WST 299.** Graduate Seminar. **FOR 300.** Master's Thesis. **FOR 400.** Doctoral Dissertation.

# FACILITIES



Wood Identification Laboratory



Bamboo Museum



Wood Pellet Pilot Plant



Computer Laboratory



Forest Products Chemistry Laboratory



Wood Anatomy Laboratory



Wood Library



Composites and Bio-energy Laboratory

# OUR RESEARCH

- Bioenergy from forest biomass
- Biocomposites and bioplastics
- Wood protection and conservation
- Utilization of ITPS and other high-value crops
- Non-timber forest products
- Nanotechnology of forest products
- Innovative uses of wood fibers

Our research aims to help industries manufacture high-value, quality forest products to make the Filipino people more self-sufficient in housing, construction materials, and paper using efficient and environmentally sound processing technologies.

# OUR COURSE OFFERING

## FOREST PRODUCTS AND PAPER SCIENCE

The courses aim to produce licensed foresters equipped with the knowledge and skills in making efficient and sustainable use of forest products.

## PULP AND PAPER TECHNOLOGY

Courses offered by both the Department of Chemical Engineering and Department of Forest Products and Paper Science are geared towards producing engineers who have sufficient knowledge in wood and fiber anatomy, wood chemistry, pulp and paper engineering and plant design, instrumentation and environmental technology.