

Appendix D-6 Professional Laboratory

Circuit analysis laboratory

The circuit analysis laboratory was established in 2005 and is located in Room 513 of the Telecommunications Building.

The laboratory is equipped with digital multimeter, oscilloscope, integrated circuit experimental development platform, circuit principle experimental box and other instruments. It can carry out Kirhoffs law, linear circuit characteristics, operational amplifier and controlled source characteristics analysis and other experiments and research.

The laboratory can provide services for undergraduate graduation projects and extracurricular innovation research projects, as well as graduate research experiments and teacher research.

Working hours: 8:00 am to 6:00 PM. Other hours are arranged by the person in charge. In order to ensure the normal and orderly operation of the experiment, students should book the experiment at least 3 days in advance.

Person in charge: Hu Saichun

Simulation circuit laboratory 1

The laboratory of Analog Circuit was founded in 2001 and is now located in Room 414 of Telecom Building

The laboratory is equipped with an analog circuit experiment box digital storage semiconductor tube tester arbitrary waveform generator signal generator dual-channel millivoltmeter transistor characteristic tester dual-channel AC millivoltmeter transistor series power supply demonstration board and other instruments capable of conducting experiments and research on DC voltage stabilizers amplifier circuit analysis and more.

The laboratory can provide services for undergraduate graduation projects and extracurricular innovation research projects, as well as graduate research experiments and teacher research.

Working hours: 8:00 am to 6:00 PM. Other hours are arranged by the person in charge. To ensure the normal and orderly operation of the experiment, students should book the experiment at least 3 days in advance.

Person in charge: Zhang Xuejun

Simulation circuit laboratory 2

The laboratory of Analog Circuit was established in 2004 and is now located in Room 418 of Telecommunications Building

The laboratory is equipped with semiconductor transistor diagram instrument, ultra-high frequency digital millivolt meter, frequency counter, low voltage DC power supply, pulse signal generator and other instruments. It can carry out experiments and research such as integrated operational amplifier, single tube common emitter

amplification circuit test.

The laboratory can provide services for undergraduate thesis and extracurricular innovation research projects, as well as graduate research experiments and teacher research.

Working hours: from 8:00 to 6:00 in the morning. Other time is arranged by the person in charge. In order to ensure the normal and orderly operation of the experiment, students should book the experiment at least 3 days in advance.

Person in charge: Zhu Qiuxiang

Digital Electronics Technology Laboratory

The Digital Electronics Technology Laboratory was established in 2004 and is located in Room 514 of the Telecommunications Building.

The laboratory is equipped with a digital circuit general experiment box, digital multimeter, dual-channel oscilloscope, DC regulated power supply, DDS function signal generator, digital oscilloscope, digital circuit combination experiment instrument, etc. It can conduct experiments and research on combinational logic circuits, flip-flops, and counter applications.

The laboratory can provide services for undergraduate graduation projects and extracurricular innovation research projects, as well as graduate research experiments and teacher research.

Working hours: from 8:00 a.m. to 6:00 p.m. Other hours are arranged by the person in charge. In order to ensure the normal and orderly operation of the experiment, students should book the experiment at least 3 days in advance.

Person in charge: Zhou Laixiu

Microcomputer principle and microcontroller laboratory

The laboratory of Microcomputer Principle and Microcontroller was established in 2005, and is now located in Room 511 of Telecommunications Building.

The laboratory is equipped with a microcontroller technology experimental box, a microcontroller teaching robot training kit, a DSP experimental development system, a DSP experimental box, a microcontroller comprehensive simulation experimental instrument, a signal and system experimental system, a programmable switch comprehensive experimental box, a power signal generator, and other instruments. It can conduct experiments and research on I/O port and interface technology and applications, timers and interrupts and application programs, dual-machine communication, time-frequency analysis, and more.

The laboratory can provide services for undergraduate graduation projects and extracurricular innovation research projects, as well as graduate research experiments and teacher research.

Working hours: 8:00 am to 6:00 PM. Other time is arranged by the person in charge. In order to ensure the normal and orderly operation of the experiment, students should book the experiment at least 3 days in advance.

Person in charge: Liu Xiongjie

Artificial intelligence lab

The artificial intelligence laboratory was founded in 2015 and is now located in Room 314 of the Telecommunications Building.

The laboratory is equipped with high-performance GPU server clusters deep learning framework software machine learning algorithm libraries and big data processing platforms and other instruments capable of conducting research on artificial intelligence algorithm innovation and application supporting the training and optimization of deep learning models image recognition object detection and other computer vision tasks voice synthesis and recognition technologies and experiments and research in multiple dimensions of the field of artificial intelligence.

The laboratory can provide services for undergraduate graduation projects and extracurricular innovation research projects, as well as graduate research experiments and teacher research.

Working hours: 8:00 am to 6:00 PM. Other hours are arranged by the person in charge. To ensure the normal and orderly operation of the experiment, students should book the experiment at least 3 days in advance.

Person in charge: Zhong Peng

Programmable Logic Devices Laboratory

The Programmable Logic Control Laboratory was established in 2010 and is located in Room 413 of the Telecommunications Building.

The laboratory is equipped with FPGA development board, automatic control principle and computer control experimental instrument, EDA tool proteus circuit simulation software and other instruments. It can carry out simple logic circuit design of Quartus II, decimal counter design and other experiments and research.

The laboratory can provide services for undergraduate graduation projects and extracurricular innovation research projects, as well as graduate research experiments and teacher research.

Working hours: from 8:00 to 6:00 in the morning. Other hours are arranged by the person in charge. In order to ensure the normal and orderly operation of the experiment, students should book the experiment at least 3 days in advance.

Person in charge: Li Jia Sheng

Embedded laboratory

The Intelligent Robot Laboratory was established in 2014 and is located in Room 302 of the Telecommunications Building.

The laboratory is equipped with embedded teaching robot training set, Android intelligent car robot and other instruments. It can carry out embedded Linux driver development, embedded Linux application development design and other experiments and research.

The laboratory can provide services for undergraduate graduation projects and extracurricular innovation research projects, as well as graduate research experiments and teacher research.

Working hours: from 8:00 to 6:00 PM. Other hours are arranged by the person in

charge. In order to ensure the normal and orderly operation of the experiment, students should book the experiment at least 3 days in advance.

Person in charge: Zhang Licheng

High frequency electronic circuit laboratory

The high frequency electronic circuit laboratory was established in 2010 and is located in Room 512 of the Telecommunications Building.

The laboratory is equipped with high-frequency electronic circuit experimental teaching platform, digital multimeter, general oscilloscope and other instruments, which can carry out experiments and research on high-frequency small signal tuning amplifier, high-frequency resonant power amplifier, sine wave oscillator, mixer and so on.

The laboratory can provide services for undergraduate graduation projects and extracurricular innovation research projects, as well as graduate research experiments and teacher research.

Working hours: from 8:00 to 6:00 in the morning. Other hours are arranged by the person in charge. In order to ensure the normal and orderly operation of the experiment, students should book the experiment at least 3 days in advance.

Person in charge: Xiong Jie

Boarding laboratory

The plate-making laboratory was established in 2013 and is now located in Room 107, Telecom Building.

The laboratory is equipped with copper plating machine, copper deposition machine, printer, line polishing machine and so on. It can carry out circuit board drilling, circuit board printing and other experiments and research.

The laboratory can provide services for undergraduate graduation projects and extracurricular innovation research projects, as well as graduate research experiments and teacher research.

Working hours: from 8:00 a.m. to 6:00 p.m. Other time is arranged by the person in charge. In order to ensure the normal and orderly operation of the experiment, students should book the experiment at least 3 days in advance.

Person in charge: Peng Jinlin

Open laboratory

The Open Laboratory was founded in 2014 and is now located in Room 509, Telecom Building.

The laboratory is equipped with universal digital logic experimental system, dual trace oscilloscope, frequency characteristic tester, analog circuit experimental box, recording principle teaching board, DC voltage stabilizer and so on. It can carry out analog circuit design, digital circuit design and other experiments and research.

The laboratory can provide services for undergraduate graduation projects and extracurricular innovation research projects, as well as graduate research experiments and teacher research.

Working hours: 8:00 am to 6:00 PM. Other hours are arranged by the person in charge. To ensure the normal and orderly operation of the experiment, students should book the experiment at least 3 days in advance.

Person in charge: Li Wenguo