

Keysight General Electronics University Teaching Solution

Accelerating new course introduction

Save effort and leave more time for research with Keysight Technologies - DreamCatcher's University Teaching Solution, a complete ready-to-teach package designed to equip lecturers with teaching tools for one full semester. The University Teaching Solution is available in three course areas – analog electronics, electronic circuit design, and electronic instrumentation and measurement – which all fall under the General Electronics category. Each University Teaching Solution consists of editable teaching slides, and a lab-based training kit (including lab sheets and problem-based assignments).

All General Electronics labs utilize the same basic instruments and give students hands-on experience with the following Keysight instruments:



E3631A triple output DC power supply

- 80-watt triple output supply
 - 0 V to +6 V/5 A
 - 0 V to +25 V/1 A
 - 0 V to -25 V/1 A
- Low noise and excellent regulation
- Save and recall functions
- GPIB and RS-232 compatible

More information:

www.keysight.com/find/E3631A



U2701A USB modular oscilloscope

- Bandwidth of 100 MHz
- 1 GSa/s maximum sampling rate and 32 Mpts of waveform memory
- Advance triggering including edge, pulse width and line-selectable video
- Fast Fourier Transfer (FFT) with Hanning, Hamming, Blackman-Harris and rectangular windowing

More information:

www.keysight.com/find/USBScope



U2741A USB modular digital multimeter

- Fast sampling rate of 100 readings per second
- Measurements of up to 300 VDC with 5½-digit resolution
- Wide range of compatible Keysight Development Environments (KDEs)
- Frequency and temperature measurement capability

More information:

www.keysight.com/find/U2741A



U2761A USB modular function generator

- 20 MHz sine and square waveforms, and pulse generation of up to 5 MHz
- Ramp, triangle and DC waveforms
- Arbitrary waveform editor for easy customization of waveform generation
- Internal AM, FM, PM, ASK, FSK and PSK modulation that removes the need for a separate modulation source

More information:

www.keysight.com/find/U2761A

* Keysight U2701A, U2741A and U2761A all come with standalone or modular capability for increased flexibility, Hi-Speed USB 2.0 compatibility and the Keysight Measurement Manager software bundled at no additional cost.

Ordering Information

Model	Description
U3001A	Analog Electronics Courseware
	Analog Electronics education kit
U3001A-TR1	Analog Electronics courseware, with training kit only
U3001A-TR2	Analog Electronics courseware, with training kit and teaching slides
U3002A	Electronic Circuit Design Courseware
	Electronic Circuit Design education kit
U3002A-TR1	Electronic Circuit Design courseware, with training kit only
U3002A-TR2	Electronic Circuit Design courseware, with training kit and teaching slides
U3003A	Electronic Instrumentation and Measurement Courseware
	Electronic Instrumentation and Measurement education kit
U3003A-TR1	Electronic Instrumentation and Measurement courseware, with training kit only
U3003A-TR2	Electronic Instrumentation and Measurement courseware, with training kit and teaching slides
Instruments designed for use with all General Electronics courseware	
E3631A	80W triple output power supply, 6V, 5A and ± 25 V, 1 A
U2701A	USB modular oscilloscope, 100 MHz
U2741A	USB modular digital multimeter, 5½ digit
U2761A	USB modular function/arbitrary waveform generator, 20 MHz

The University Teaching Solution is also available with bench options. Substitute the USB modular instruments U2701A, U2741A and U2761A with their bench counterpart: DSO1000 series oscilloscope, 34405A digital multimeter and 33210A/33220A function/arbitrary waveform generator respectively.



For more details on Keysight's range of University Teaching Solutions and other solutions for educators, please visit www.keysight.com/find/edu-basic

Three-Year Warranty

www.keysight.com/find/ThreeYearWarranty

Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.



Keysight Assurance Plans

www.keysight.com/find/AssurancePlans

Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

