Research Lab:
Booking of Facilities &
Available Equipment

Booking of Facilities

- Classrooms
- Computer Lab
  - A02-09
  - B02-04/05/06
- Psychology Lab
  - B02 - 08
  - B02 - 09
  - B02 - 10
  - B02 - 11

Booking of Facilities

For booking of Classrooms or Computer labs (A2-09, B2-04/05/06) kindly use this link:

https://afm.jcu.edu.sg/JCU/security/index.aspx

Booking Facilities

Booking of Lab Facilities

- Kindly obtain permission from Lab technician for access and availability of Labs (B2-08/09/10/11).

- Kindly contact researchlab-singapore@jcu.edu.au for further information

Booking for Research Facilities

Classroom	
Seating Capacity	32 to 64
Equipment:	1 white board, 1 computer, 1 projector
Manager:	Room Booking Administrator
Booking System:	Facilities Booking System (https://afm.jcu.edu.sg)
Booking Procedure:	Researchers should book the room using the facilities booking system

Lab Facilities

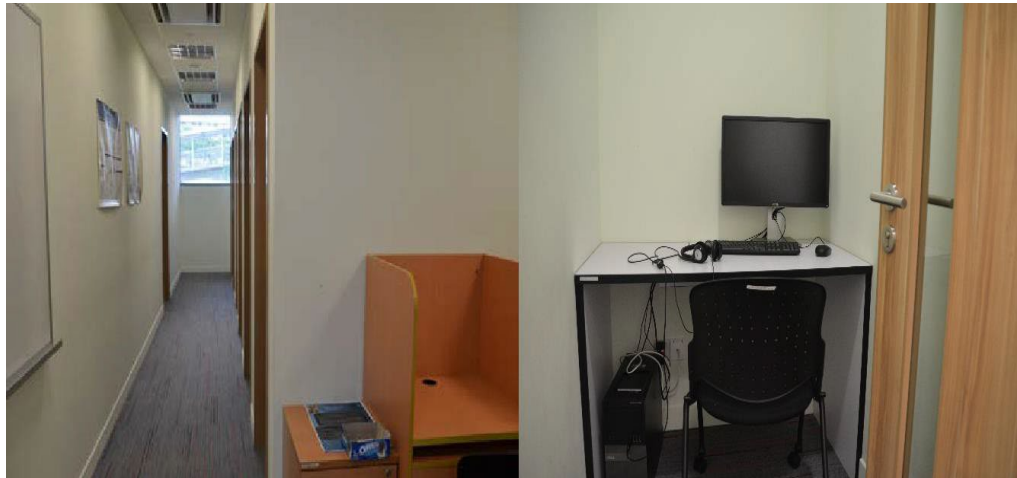| Computer Lab (A2-09, B2-04, B2-05, B2-06)	
Seating Capacity	24 to 40
Equipment:	Computers, 1 whiteboard, and 1 projector
Lab Manager:	Room Booking Administrator
Booking System:	Facilities Booking System (https://afm.jcu.edu.sg)
Booking Procedure:	Researchers should book the room using the facilities booking system

Lab Facilities

Cognitive Psychology Lab (B2-08)	
Seating Capacity	N.A.
Equipment:	12 cubicles, 5 computers, 5 headphones. For more information on available equipment, please contact the Lab Manager.
Software:	BIOPAC Acqknowledge 5.0 (EMG), E-Prime 2.0, Inquisit 5.0, R, R Studio, SPSS
Lab Manager:	Kenan Daniel Sherwood (researchlab-singapore@jcu.edu.au)
Booking System:	Google Calendar
Booking Procedure:	Researchers should book the lab using the Google Calendar, with access provided by the Lab Manager

Lab Facilities

Psycholinguistics and Memory Lab (B2-09)	
Seating Capacity	8 Cubicles
Equipment:	6 equipped with computers and headphones. 5 Serial Response Boxes are also available for use. For more information on available equipment, please contact the Lab Manager.
Software:	E-Prime 2.0, Inquisit 5.0, POD Farm 2, Line 6 Monkey, R, R Studio, SPSS
Lab Manager:	Kenan Daniel Sherwood (researchlab-singapore@jcu.edu.au)
Booking System:	Google Calendar
Booking Procedure:	Researchers should book the lab using the Google Calendar, with access provided by the Lab Manager

Lab Facilities

Physiological Psychology Lab (B2-10)	
Seating Capacity	N.A.
Equipment:	4 sub-rooms 1 sub-room with sink, freezer, height and weight machine. 3 computers situated in sub-rooms For more information on available equipment, please contact the Lab Manager.
Software:	E-Prime 2.0, EEGO64, R, R Studio, SPSS, Tobii ProLab, Inquisit 6.0 w/ Tobii Plugin
Lab Manager:	Kenan Daniel Sherwood (researchlab-singapore@jcu.edu.au)
Booking System:	Google Calendar
Booking Procedure:	Researchers should book the lab using the Google Calendar, with access provided by the Lab Manager

Lab Facilities

Social Psychology Lab (B2-11)	
Seating Capacity	12 Cubicles
Equipment:	3 computers. For more information on available equipment, please contact the Lab Manager.
Software:	E-Prime 2.0, R, R Studio, SPSS
Lab Manager:	Kenan Daniel Sherwood (researchlab-singapore@jcu.edu.au)
Booking System:	Google Calendar
Booking Procedure:	Researchers should book the lab using the Google Calendar, with access provided by the Lab Manager

Lab Equipment

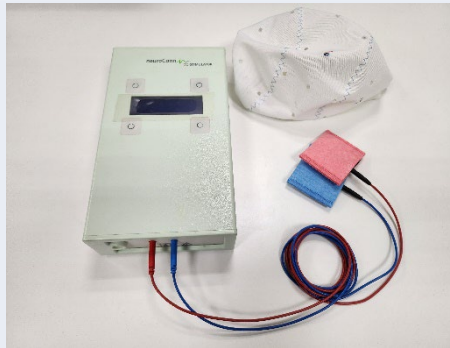| EEG	
ANT Neuro eego mylab	Description
	• 32 Channel Cap • Temperature sensor, Galvanic Skin Response (GSR) and accelerometer modules available • EEGO 64 Software

EMG	
BioNomadix SMART ESS	Description
	• Wireless transmission of physiological data to data logger • BIOPAC Acqknowledge 5.0 software

Lab Equipment

Transcranial Stimulator	
Neuroconn DC Stimulator	**Description**
	• Transcranial DC Stimulator • x3 different sized EEG caps available • Rubber electrodes and cable connections of varying lengths available

Eye Tracker	
Tobii Pro Fusion 120 Hz	**Description**
	• 120 Hz sampling rate • Tobii ProLab • Tobii Plugin compatible with Inquisit 6.0

Lab Equipment

Serial Response Box	
PST Model 200A	Description
	• 5 Buttons • 0ms debounce time • Uses E-Prime Software

Driving Wheel	
Logitech Driving Force GT	Description
	• Driving Wheel with shift knob, brake and accelerator paddles

Lab Equipment

Chest Heart Rate Sensor	
Polar H10 Heart Rate Sensor	**Description**
	• Bluetooth connectivity • Uses tracking app available on Android and iOS • Adjustable chest strap length

Wrist Fitness Tracker	
TomTom Touch Fitness Tracker	**Description**
	• Measures heartrate, distance walked, steps and other parameters • Touchscreen • Uses app from Android and iOS store

Lab Equipment

Blood Pressure Monitor (Arm)	
Omron Blood Pressure Monitor HEM-907	Description
	• Upper arm use • 2 sizes of arm cuffs available • Measures heartrate and blood pressure

Blood Pressure Monitor (Wrist)	
Omron Wrist Blood Pressure Monitor BP652	Description
	• For wrist use • Measures heartrate and blood pressure

Lab Equipment

Pulse Oximeter	
Nonin Xpod 3017LP	Description
	• Measures blood oxygen saturation (SpO2) via finger clip • USB connection • Software available

Audio Interface	
Line 6 POD Studio UX2	Description
	• 2-channel audio interface w/ 2 microphone input • ¼ jack input and output • XLR input for microphone • Interfaces with Line 6 Pod Farm 2.0 software
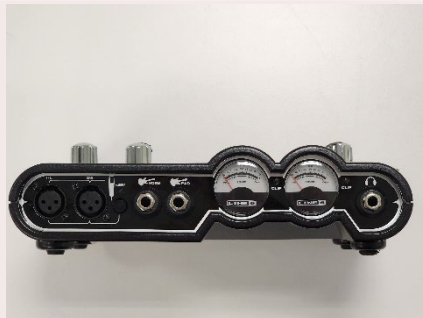
Lab Equipment

<u>Other equipment available:</u>

- ➢ HTC Vive VR Headset

- ➢ Oura Ring Gen 3 (Measure Physiological Data)

- ➢ Cold Compression Arm Wraps

- ➢ Headphones

- ➢ Microphones

- ➢ Sound Meter

- ➢ Speakers/ Boombox

- ➢ Thermometer

- ➢ Measuring Tape

- ➢ Weight & Height Scale

Lab Equipment (Software)

Software available:

➢ **Testable**

- Online platform for creating simple experiments and surveys

- Online repository available with templates (e.g. IAT)

- Beginner friendly and intuitive

- Account creation is required

- Limited slots available per trimester

- Kindly approach lab technician for further queries and demo

Lab Equipment (Software)

➢ Some examples of Testable (Online Repository):

Lab Equipment (Software)

➢ Some examples of Testable (adjusting variables of experiment):

Lab Equipment (Software)

➢ For more information on how Testable works:

Welcome to Testable

Creating experiments with Testable

- Refer to LearnJCU > Organisations > Learning Center JCU Singapore > Statistics Support > Research Lab Resources for access to learning materials

Lab Equipment (Software)

Software available:

➢ Inquisit 5.0/ 6.0

- Platform for local and online administration of cognitive and neuropsychological tests and assessment (e.g. IAT, Reaction Time Tasks)

- Able to sync with Tobii eyetracker (Inquisit 6.0 only)

- Requires some basic programming knowledge

- Online repository for test examples

Lab Equipment (Software)

Software available:

➢ E-Prime 2.0 (Serial Response Box)

➢ BIOPAC Acqknowledge 5.0 (For EMG)

➢ Line 6 Pod Farm 2.0/ Monkey/ Reason Limited (Audio Interface)

➢ PEBL 2.1 (Psychology Experiment Building Language)

➢ EEGO 64 (For EEG)

➢ Tobii Prolab/ Tobii Plugin for Inquisit 6.0

➢ R & R Studio

➢ SPSS/ SPSS Amos (Analysis of Moment Structures)

Lastly…

If you require assistance with experimental setup and being your practice participant for pilot studies, do feel free to approach the lab technician ☺

Lastly…

For any enquiries on laboratory equipment and software, kindly contact the laboratory technician at:

researchlab-singapore@jcu.edu.au