

Weekly Schedule

		First Half / 第一节课		Second Half / 第二节课
week 01	Monday 03.28	Introduction/课程简介	break	Electricity, Circuits & Electrical Components 电子元器件, 电路, 电学原理
	Thursday 03.31	Microcontrollers & Arduino 微控制器/单片机, Arduino	break	Digital & Analog Inputs & Outputs 数字&模拟信号 输入&输出
week 02	Monday 04.04	lab 01: Electronics + Arduino 工作营01: 电路搭建+Arduino项目 (清明节假期, 具体时间待定)	break	Programming; Processing & Drawing Processing 数字绘画 (清明节假期, 具体时间待定)
	Thursday 04.07	Animation & Variables 动画&变量	break	lab 02: processing animation assignments 工作营02: processing 动画设计辅导
week 03	Monday 04.11	Conditionals, Iteration & Functions 条件语句, 函数, 交互逻辑	break	Conditionals, Iteration & Functions 条件语句, 函数, 交互逻辑
	Thursday 04.14	Mouse & Keyboard Interaction 键盘鼠标交互	break	lab 03: processing keyboard interaction assignments 工作营03: Processing 键盘鼠标交互设计辅导
week 04	Monday 04.18 Idea展示 10 : 00AM	Physical Interaction 人机互动	break	Project Planning & Prototyping 期中项目idea展示 ()
	Thursday 04.21	Communication Btw Processing & Arduino 交互通信	break	lab 04: processing + arduino communication assignments 交互通信设计辅导
week 05	Monday 04.25	Objects & Arrays 对象&数组	break	Objects & Arrays 对象&数组
	Thursday 04.28	Midterm Project Workshop: 15mins/project * 10 individual projects 期中项目辅导 : 15分钟/项目 * 10组		

week 06	Monday 05.02 时间待定	Guest Specker Talking 讲座	break	Midterm Project Critiques 中期评图
		Intro to Digital Fabrication	break	Intro to Rhino Modeling
		Modeling Workshop	break	Modeling Workshop
	Thursday 05.05	Controlling High Current Loads 单片机控制交流电	break	lab 05: lighting installation group assignment 工作营05：灯光装置设计辅导
week 07	Monday 05.09	Images & Audio 图像&声音	break	Video + Computer Vision 视频+数字可视化
	Thursday 05.12	Kinect + leapmotion tracking Kinect+leapmotion 动作捕捉	break	lab 06:boday tracking interface 工作营06: 动作捕捉／交互界面设计
week 08	Monday 05.16	Strings & Data 数据&字符串	break	Strings & Data 数据&字符串
	Thursday 05.19	Final Project Workshop: 15mins/project * 10 individal projects 终期项目辅导：15分钟／项目 * 10组		
week 09	Monday 05.23	Final Project Workshop: 15mins/project * 10 individal projects 终期项目辅导：15分钟／项目 * 10组		
	Thursday 05.26	Final Project Setup 终期项目辅导	break	Final Project Critiques 课内评图
XXX	<u>05.27-</u> <u>05.29</u>	FINAL SHOW 终期展览		

Readings

Title: **Getting Started with Arduino**

Author: Massimo Banzi

ISBN: 1449309879

Edition: 2nd

Title: **Getting Started with Processing**

Author: Casey Reas and Ben Fry

ISBN: 144937980X

Edition: 1st

Title: **Learning Processing: A Beginner's Guide to Programming Images, Animation, and Interaction**

Author: Daniel Shiffman

ISBN: 0123736021

Publisher: Morgan Kaufmann

Publication Date: September 2, 2008

Edition: 1st

Additional required readings will be supplied in the coursepack, online, or as electronic documents.

Software

- Arduino
- Processing