

**CLASS SCHEDULE  
CIRCUIT BREAKERS!  
FALL 2018**

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| Tues 4 Sept   | Introductions: the syllabus, What is hacking? What is bending? Brief lecture on history of hacking and artists who hack. Example projects/artists who hack. Glitch. Tutorials.<br>Assignment: Read Menkman, "Glitch Studies Manifesto "(website)   |
| Thurs 6 Sept  | Discuss Menkman<br>More Glitch tutorials<br>Assignment: Glitch images and/or video (datamosh).<br>Read Nicolas Collins Chapters 1-8 and 10   |
| Tues 11 Sept  | Labs Safety Orientation<br>Review Collins Readings via jumping into the fray: workshop projects: coils, in/out, twitching speaker, solder, contact mics, resonating objects, mic speaker/speaker mic<br>Soldering: Contact Mic, Condenser Mic, Cracklebox Begin<br>Read Collins Chapter 11   |
| Thurs 13 Sept | Review Collins<br>SCHEMATICS!!! + What's a breadboard?<br>Workshop project introduction: CRACKLEBOX<br>Assignment: Read Collins Chapters 12-13<br>Breadboard your Cracklebox   |
| Tues 18 Sept  | Artists who hack. Collins Review<br>Thinking through drawing/design/enclosures<br>Multimeter and testing some basic components<br>Assignment: Read Collins Chapters 14-17<br>CONTINUE -- BUILD THE CRACKLEBOX  |
| Thurs 20 Sept | Review Collins Chapters 14-17<br>CONTINUE -- BUILD THE CRACKLEBOX  |
| Tues 25 Sept  | From breadboard to circuit board + Enclosing the Cracklebox<br>And, workshop projects -- continue Toy Hacking from 14-17<br>Assignment: Read Platt as assigned   |
| Thurs 27 Sept | Troubleshoot and continue Cracklebox   |
| Tues 2 Oct    | Present and demonstrate your finished (enclosed) and working CRACKELBOX!<br>Introduction to midterm project featuring the (555) 556 timer chip -- ATARI PUNK CONSOLE!!!<br>Assignment: Read from Forest Mimms "Engineer's Mini-Notebook", pages TBA. Be prepared to present a breadboarded version of your APC on Thursday (for credit!) |
| Thurs 4 Oct   | Breadboard check-in.<br>Continue work on midterm projects (APC)  |

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| Tues 9 Oct               | Continue work on midterm projects (APC)   |
| Thurs 11 Oct             | Continue work on Midterm projects (APC)   |
| Tues 16 Oct              | Present APC for MIDTERM CRITIQUE  |
| Thurs 18 Oct             | MIDTERM CRITIQUE Continued<br>Lab Cleanup<br>Assignment: Read Collins Chapters 18-23  |
| <b>Fri 19-Fri 26 Oct</b> | <b>FALL BREAK</b>   |
| Tues 30 Oct              | Review Collins Chapters 18-23<br>Review Schematics<br>Assignment: Choose and breadboard project from Collins Chapter 18-19  |
| Thurs 1 Nov              | Present breadboarded projects from Collins Chapter 18-19<br>Assignment: Read Collins Chapters 24-26<br>Choose and breadboard project from Collins Chapter 20-23   |
| Tues 6 Nov               | Present breadboarded projects from Collins Chapter 20-23<br>Example projects/artists who hack<br>Review Collins Chapters 24-26<br>Assignment: Read Collins Chapter 27<br>Breadboard project from chapter 27 |
| Thurs 8 Nov              | Present breadboarded projects from Collins Chapter 27<br>Final Project Assignment/Discussion<br>Assignment: Begin conceptualizing Final Project   |
| <b>Mon 12 Nov</b>        | <b>OPEN STUDIOS</b>   |
| Tues 13 Nov              | Present initial ideas for final projects<br>Assignment: Read Collins chapters 28-30<br>Assignment: Work on presentation of final project ideas  |
| Thurs 15 Nov             | Check-in - final project ideas<br>Example projects/artists who hack<br>Review Collins chapters 28-30  |
| Tues 20 Nov              | Present ideas for final projects  |
| Thurs 22 Nov             | Open Workshop - work on final projects - individual instruction as needed   |
| Tues 27 Nov              | Open Workshop - work on final projects - individual instruction as needed   |
| Thurs 29 Dec             | Open Workshop - work on final projects - individual instruction as needed   |
| Tues 4 Dec               | Open Workshop - work on final projects - individual instruction as needed   |
| Thurs 6 Dec              | Open Workshop - work on final projects - individual instruction as needed   |

Tues 11 Dec

FINAL PROJECTS PRESENTATION/CRITIQUE

Thurs 13 Dec

FINAL PROJECTS PRESENTATION/CRITIQUE CONTINUED

STUDIO CLEANUP - DECEMBER SHOWCASE PERFORMANCE -- "Bleep Bleep Bloop"