# CS 51: CS + Social Good Studio
## Building Social Impact Projects
### Syllabus

<table>
<thead>
<tr>
<th>Stage</th>
<th>Description</th>
<th>Date(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td><strong>Empathize 1</strong>&lt;br&gt;Understanding partner needs</td>
<td>T - 1/10&lt;br&gt;Partner Map Discussion&lt;br&gt;Needfinding Workshop&lt;br&gt;Stakeholder Map / Team Contract - due 1/12&lt;br&gt;Th - 1/12&lt;br&gt;Finding Matrix 1 - due 1/16</td>
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<tr>
<td><strong>2</strong></td>
<td><strong>Empathize 2</strong>&lt;br&gt;Understanding problem space</td>
<td>T - 1/17&lt;br&gt;Finding Discussion&lt;br&gt;Group Brainstorm&lt;br&gt;Consolidation of results&lt;br&gt;Advanced Needfinding Activity - due 1/19&lt;br&gt;Th - 1/19&lt;br&gt;Findings Matrix 2 - due 1/23&lt;br&gt;Guest Speaker: Patrick Schmitt - Change.org</td>
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<td><strong>3</strong></td>
<td><strong>Synthesize</strong>&lt;br&gt;Sifting data and pulling insights</td>
<td>T - 1/24&lt;br&gt;Synthesis Workshop:&lt;br&gt;Carissa Carter - d.school&lt;br&gt;Synthesis Outcomes - due 1/26&lt;br&gt;Th - 1/26&lt;br&gt;Guest Speaker: Piya Sorcar - TeachAIDS&lt;br&gt;Synthesis outcomes discussion&lt;br&gt;Needfining Presentation - due 1/31&lt;br&gt;*Studio will be held at 12pm - location TBD</td>
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<td><strong>4</strong></td>
<td><strong>Ideate</strong>&lt;br&gt;Turning insights into concepts</td>
<td>T - 1/31&lt;br&gt;Needfinding Presentations&lt;br&gt;Ideation Worksession&lt;br&gt;Ideation Outcomes - due 2/2&lt;br&gt;Th - 2/2&lt;br&gt;Ideation outcomes discussion&lt;br&gt;Brainstorming Worksession&lt;br&gt;Concept Prototypes - due 2/6</td>
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<td><strong>5</strong></td>
<td><strong>Define &amp; Prototype</strong>&lt;br&gt;Turning concepts into solutions</td>
<td>T - 2/7&lt;br&gt;HCD Mentor Work Session&lt;br&gt;Refined Solutions Discussion&lt;br&gt;Solution Statements - due 2/9&lt;br&gt;Visual Thinking / Sketching workshop&lt;br&gt;Group Work - Low-Fi Interface&lt;br&gt;Th - 2/9&lt;br&gt;Low-Fi Prototype test - due 2/13</td>
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Prototype & Test 1
Refining & resolving solutions

- UX design workshop: Group work session
- Medium-Fi Prototype - due 2/16

Prototype & Test 2
Refining & resolving solutions

- Advanced user testing workshop Medium-Fi test results discussion
- Medium-Fi Presentation - due 2/23

Build 1
Building proof-of-concept MVP

- Tech Stack & Rapid Development Workshop: Dave Deriso - Simple Health Group Work
- Implementation Spec - Due 3/2

Build 2
Building proof-of-concept MVP

- Progress Update Technical Mentor Work Session
- Final Presentation - Due 3/14

Build 3 & MVP
Building proof-of-concept MVP

- Presentation rehearsal & feedback Group Work
- Presentation rehearsal Final Presentation on F - 3/17 Location TBD