

# Schedule

A week-by-week breakdown of the material.

## Week 1 (01/11-01/15)

**Day 1** OCAML setup<sup>1</sup>

**Day 2** OCAML basics<sup>2</sup> Evaluation model, basic types, bindings

**Day 3** Functions<sup>3</sup>

**Day 4** Tuples, practice<sup>4</sup>

Assignment 1<sup>5</sup> due by class time, Friday, January 22nd.

## Week 2 (01/18-01/22)

**Day 1** Lists and Option Types<sup>6</sup>

**Day 2** Pattern-matching<sup>7</sup>

**Day 3** Recursion<sup>8</sup>

**Day 4** State recursion<sup>9</sup>

Assignment 2<sup>10</sup> due by class time, Wed, January 27th.

## Week 3 (01/25-01/29)

**Day 1** Tail Calls<sup>11</sup>

**Day 2** Recursion practice.

**Day 3** Type aliases and Type variants<sup>12</sup>

Assignment 3<sup>13</sup> due by class time, Wed, February 3rd.

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<sup>1</sup>[notes/setup.html](#)

<sup>2</sup>[notes/ocaml\\_basics.html](#)

<sup>3</sup>[notes/ocaml\\_functions.html](#)

<sup>4</sup>[notes/ocaml\\_functions.html](#)

<sup>5</sup>[assignments/hw1.html](#)

<sup>6</sup>[notes/lists\\_options.html](#)

<sup>7</sup>[notes/pattern\\_matching.html](#)

<sup>8</sup>[notes/recursion.html](#)

<sup>9</sup>[notes/recursion\\_state.html](#)

<sup>10</sup>[assignments/hw2.html](#)

<sup>11</sup>[notes/tail\\_calls.html](#)

<sup>12</sup>[notes/type\\_variants.html](#)

<sup>13</sup>[assignments/hw3.html](#)

**Day 4** Polymorphic Types<sup>14</sup>

## **Week 4 (02/01-02/05)**

**Day 1** Type inference

**Day 2** Anonymous Functions, Functions as values<sup>15</sup>

**Day 3** Thunks

**Day 4** Currying

## **Week 5 (02/08-02/12)**

**Day 1** Higher order functions

**Day 2** TBA

**Day 3** TBA

**Day 4** TBA

## **Week 6 (02/15-02/19)**

**Day 1** TBA

**Day 2** TBA

**Day 3** TBA

Day 4

## **Week 7 (02/22-02/26)**

**Day 1** TBA

**Day 2** TBA

**Day 3** TBA

**Day 4** MIDTERM

## **Week 8 (02/29-03/04)**

BREAK

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<sup>14</sup>[notes/types\\_polymorphic.html](#)

<sup>15</sup>[notes/functions\\_anonymous.html](#)

### **Week 9 (03/07-03/11)**

**Day 1** TBA

**Day 2** TBA

**Day 3** TBA

**Day 4** TBA

### **Week 10 (03/14-03/18)**

**Day 1** TBA

**Day 2** TBA

**Day 3** TBA

**Day 4** TBA

### **Week 11 (03/21-03/25)**

**Day 1** TBA

**Day 2** TBA

**Day 3** TBA

**Day 4** TBA

### **Week 12 (03/28-04/01)**

**Day 1** TBA

**Day 2** TBA

**Day 3** TBA

**Day 4** TBA

### **Week 13 (04/04-04/08)**

**Day 1** TBA

**Day 2** TBA

**Day 3** TBA

**Day 4** TBA

### **Week 14 (04/11-04/15)**

**Day 1** TBA

**Day 2** TBA

**Day 3** TBA

**Day 4** TBA