# utoronto-syllabus

A Typst package for creating syllabi originally designed for courses at the University of Toronto.

## Usage

`utoronto-syllabus` uses Elembic to allow you to set and override settings for your course. A basic syllabus is shown below.

```
#import "@preview/utoronto-syllabus:0.1.0" as s
#import "@preview/elembic:1.1.1" as e

// Initialize all settings for the course
#show: e.set_(
  s.settings,
  code: "Mat 244",
  name: "Differential Equations",
  term: "Fall 2025",
  term_start_date: datetime(year: 2025, month: 9, day: 2),
  term_end_date: datetime(year: 2025, month: 10, day: 15),
  // `basic_info` is populated in a table at the start of the syllabus
  basic_info: (
    (
      title: "Textbook",
      value: [Introduction to Differential Equations by John Doe],
    ),
    (
      title: "Course webpage",
      value: [https://example.com/course],
    ),
  ),
  // Holidays are automatically added to the timetable
  holidays: (
    (
      name: [Thanksgiving],
      date: datetime(year: 2025, month: 10, day: 13),
    ),
  ),
  // Events are automatically added to the timetable
  events: (
    (
      name: [Midterm],
      // hours/minutes/seconds are optional
      date: datetime(year: 2025, month: 9, day: 15, hour: 17, minute: 10, second: 0),
      // An optional duration will affect how the event is displayed
      duration: duration(hours: 2),
      type: "test",
      // Setting a `key` allows this date to be referenced later in the syllabus
      key: "midterm",
    ),
    (
      name: [Optional Homework],
      date: datetime(year: 2025, month: 9, day: 22),
      type: "homework",
    ),
  ),
)

// After we `show: s.template` we put the actual content of our syllabus.
#show: s.template

Differential Equations is a really great course! You'll love lit.

== Assessments

#s.annotated_item(
  title: "Midterm",
```

```
  subtitle: "50%"
)[
  A multiple-choice midterm on
  // We can access and print dates that we have previously set in the settings
  // by referencing them with their `key` field.
  #s.get_event_time("midterm")
]
#s.annotated_item(
  title: "Final Exam",
  subtitle: "50%"
)[
  A comprehensive final exam on the last day of the term
  // We can also access the term start and end dates as well as the tutorial start date.
  #s.get_event_time("term_end_date")
]

== Schedule

#s.timetable(
  week_start_day: "monday",
  weekly_data: (
    [Week 1: Introduction to Differential Equations],
    [Week 2: First-Order Differential Equations],
    [Week 3: Second-Order Differential Equations],
    [Week 4: Laplace Transforms],
    [Week 5: Systems of Differential Equations],
  ),
)
```

Compiling this thesis results in:

MAT 244 DIFFERENTIAL EQUATIONS FALL 2025

| Textbook | Introduction to Differential Equations by John Doe | Course webpage | https://example.com/course |
|---|---|---|---|

Differential Equations is a really great course! You'll love lit.

ASSESSMENTS

**Midterm** 50% — A multiple-choice midterm on Monday, Sep. 15 from 5:10pm to 7:10pm

**Final Exam** 50% — A comprehensive final exam on the last day of the term Wednesday, Oct. 15

SCHEDULE

| | |
|---|---|
| Week 1 September 2–7 | Week 1: Introduction to Differential Equations |
| Week 2 September 8–14 | Week 2: First-Order Differential Equations |
| Week 3 September 15–21 | Week 3: Second-Order Differential Equations<br>**Midterm Monday, Sep. 15 from 5:10pm to 7:10pm** |
| Week 4 September 22–28 | Week 4: Laplace Transforms<br>Optional Homework Monday, Sep. 22 |
| Week 5 September 29–October 5 | Week 5: Systems of Differential Equations |
| Week 6 October 6–12 | |
| Week 7 October 13–15 | **Thanksgiving Monday, Oct. 13 (no classes)** |

## Elements

**syllabus_settings(...)**

```
/// Settings for the syllabus template.
syllabus_settings(
  /// [optional] Course code (e.g., "MAT244")
  code: string,
  /// [optional] Course name (e.g., "Mathematics for Computer Science")
  name: string,
  /// [optional] Term (e.g., "Fall 2025")
  term: none or string,
  /// [optional] The date the term starts
  term_start_date: datetime,
  /// [optional] The date the term ends
  term_end_date: datetime,
  /// [optional] The date tutorials start
  tutorial_start_date: none or datetime,
  /// [optional] Basic information to be displayed at the start of the syllabus. For
  example, the textbook, or course webpage.
  basic_info: array of basic_info_item,
  /// [optional] Events in the syllabus timetable, such as homeworks or midterms
  events: array of event,
  /// [optional] Holidays that occur during the term; it is assumed that no classes
  occurs during a holiday
  holidays: array of event,
  /// [optional] Colors used in the syllabus
  colors: colors,
  /// [optional] Monospace font for links
  font_mono: font_declaration,
  /// [optional] Sans-serif font for headings
  font_sans: font_declaration,
  /// [optional] Serif font for body text
  font: font_declaration,
  /// [optional] Width of the gutter for the syllabus; this is where the section
  headings will be displayed
  gutter_width: length
)
```

**template(...)**

```
/// The syllabus template. Use with `#show: template`.
template(
  /// (required) The content of the syllabus
  doc,
  /// [optional] If `minipage` is true, `set page(...)` will be avoided so that the
  syllabus content can be typeset in a box/block
  minipage: boolean
)
```

**annotated_item(...)**

```
/// An item with an annotation that hangs in the left margin
annotated_item(
```

```
  /// (required) The descriptive test that will be shown inline in the document
  body,
  /// [optional] The title of the item
  title: none or content,
  /// [optional] Additional description appearing below the title
  subtitle: none or content
)
```