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.

```typst
#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),
      key: "thanksgiving",
    ),
  ),
  // Events are automatically added to the timetable
  events: (
    (
      name: [Midterm],
      date: datetime(year: 2025, month: 9, day: 15, hour: 17, minute: 10, second: 0),
      duration: duration(hours: 2),
      type: "test",
      key: "midterm",
    ),
    (
      name: [Homework 1],
      date: datetime(year: 2025, month: 9, day: 22),
      type: "homework",
      key: "hw-1",
    ),
  ),
)
#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]
#s.annotated_item(
  title: "Final Exam",
  subtitle: "50%"
)[A comprehensive final exam on the last day of the term
#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],
  ),
)
```


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
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 **Midterm Monday, Sep. 15 from 5:10pm to 7:10pm**
Week 4 September 22–28	Week 4: Laplace Transforms Homework 1 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

template

The syllabus template. Use with `#show: template`.

```
(
  data-kind: "element",
  __elembic_element: true,
  version: 5,
  name: "template",
  doc: "The syllabus template. Use with `#show: template`.",
  eid: "e_@preview/utoronto-syllabus,v0.1.0_---_template",
  scope: none,
  set_: set_,
  get: get-rule,
  where: (..) => ..,
  sel: <__elembic_element_shown_e_@preview/utoronto-syllabus,v0.1.0_---_template>,
  meta-sel: <__elembic_element_meta_e_@preview/utoronto-syllabus,v0.1.0_---
_template>,
  outer-sel: <__elembic_element_outer_e_@preview/utoronto-syllabus,v0.1.0_---
_template>,
  outline-sel: none,
  lbl-elem-prepare-check: <__elembic_elem_prepare_check_e_@preview/utoronto-
syllabus,v0.1.0_---_template>,
  counter: counter("__elembic_element_counter_e_@preview/utoronto-syllabus,v0.1.0_---
_template"),
  parse-args: parse-args,
  default-data: (
    __elembic_element_data: true,
    version: 5,
    fold-chain: (:),
    chain: (),
    data-chain: (),
    names: (:),
    revoke-chain: (),
    track-ancestry: false,
    filters: (all: (), rules: (), data: ()),
    cond-sets: (filters: (), args: (), data: ()),
    show-rules: (filters: (), callbacks: (), data: ()),
    selects: (filters: (), labels: (), data: ()),
  ),
  default-global-data: (
    __elembic_element_global_data: true,
    version: 5,
    stateful: false,
    first-bib-title: (),
    where-rule-count: 0,
    settings: (
      prefer-leaky: false,
      track-ancestry: (:),
      store-ancestry: (:),
    ),
    global: (version: 5, select-count: 0, ancestry-chain: ()),
    elements: (:),
  ),
  default-fields: (minipage: false),
  routines: (
```

```
        prepare-rule: prepare-rule,
        apply-rules: apply-rules,
        get-styles: get-styles,
        fold-styles: fold-styles,
        verify-filter: verify-filter,
        select: select,
        toggle-stateful: toggle-stateful-mode,
        declare: declare,
        settings: settings,
      ),
    user-fields: (
      doc: (
        __elembic_field: true,
        version: 4,
        name: "doc",
        doc: "The content of the syllabus",
        typeinfo: (
          __elembic_type: true,
          type-kind: "native",
          version: 4,
          name: "content",
          input: (type(none), content, str, symbol),
          output: (content,),
          data: content,
          check: none,
          cast: (..) => ..,
          error: none,
          default: ([],),
          fold: none,
        ),
        default: auto,
        required: true,
        synthesized: false,
        named: false,
        fold: none,
        folds: false,
        internal: false,
        meta: (:),
      ),
      minipage: (
        __elembic_field: true,
        version: 4,
        name: "minipage",
        doc: "If `minipage` is true, `set page(...)` will be avoided so that the
syllabus content can be typeset in a box/blockt",
        typeinfo: (
          __elembic_type: true,
          type-kind: "native",
          version: 4,
          name: "boolean",
          input: (bool,),
          output: (bool,),
          data: bool,
          check: none,
          cast: none,
          error: none,
```

```
          default: (false,),
          fold: none,
        ),
        default: false,
        required: false,
        synthesized: false,
        named: true,
        fold: none,
        folds: true,
        internal: false,
        meta: (:),
      ),
    ),
    all-fields: (
      doc: (
        __elembic_field: true,
        version: 4,
        name: "doc",
        doc: "The content of the syllabus",
        typeinfo: (
          __elembic_type: true,
          type-kind: "native",
          version: 4,
          name: "content",
          input: (type(none), content, str, symbol),
          output: (content,),
          data: content,
          check: none,
          cast: (..) => ..,
          error: none,
          default: ([],),
          fold: none,
        ),
        default: auto,
        required: true,
        synthesized: false,
        named: false,
        fold: none,
        folds: false,
        internal: false,
        meta: (:),
      ),
      minipage: (
        __elembic_field: true,
        version: 4,
        name: "minipage",
        doc: "If `minipage` is true, `set page(...)` will be avoided so that the
syllabus content can be typeset in a box/blockt",
        typeinfo: (
          __elembic_type: true,
          type-kind: "native",
          version: 4,
          name: "boolean",
          input: (bool,),
          output: (bool,),
          data: bool,
```

```
          check: none,
          cast: none,
          error: none,
          default: (false,),
          fold: none,
        ),
        default: false,
        required: false,
        synthesized: false,
        named: true,
        fold: none,
        folds: true,
        internal: false,
        meta: (:),
      ),
    ),
    fields: (
      __elembic_fields: true,
      version: 4,
      required-pos-fields: (
        (
          __elembic_field: true,
          version: 4,
          name: "doc",
          doc: "The content of the syllabus",
          typeinfo: (
            __elembic_type: true,
            type-kind: "native",
            version: 4,
            name: "content",
            input: (type(none), content, str, symbol),
            output: (content,),
            data: content,
            check: none,
            cast: (..) => ..,
            error: none,
            default: ([],),
            fold: none,
          ),
          default: auto,
          required: true,
          synthesized: false,
          named: false,
          fold: none,
          folds: false,
          internal: false,
          meta: (:),
        ),
      ),
      optional-pos-fields: (),
      required-named-fields: (),
      optional-named-fields: (
        (
          __elembic_field: true,
          version: 4,
          name: "minipage",
```

```
      doc: "If `minipage` is true, `set page(...)` will be avoided so that the
syllabus content can be typeset in a box/blockt",
        typeinfo: (
          __elembic_type: true,
          type-kind: "native",
          version: 4,
          name: "boolean",
          input: (bool,),
          output: (bool,),
          data: bool,
          check: none,
          cast: none,
          error: none,
          default: (false,),
          fold: none,
        ),
        default: false,
        required: false,
        synthesized: false,
        named: true,
        fold: none,
        folds: true,
        internal: false,
        meta: (:),
      ),
    ),
  foldable-fields: (:),
  user-named-fields: (
    minipage: (
      __elembic_field: true,
      version: 4,
      name: "minipage",
      doc: "If `minipage` is true, `set page(...)` will be avoided so that the
syllabus content can be typeset in a box/blockt",
        typeinfo: (
          __elembic_type: true,
          type-kind: "native",
          version: 4,
          name: "boolean",
          input: (bool,),
          output: (bool,),
          data: bool,
          check: none,
          cast: none,
          error: none,
          default: (false,),
          fold: none,
        ),
        default: false,
        required: false,
        synthesized: false,
        named: true,
        fold: none,
        folds: true,
        internal: false,
        meta: (:),
```

```
      ),
    ),
  user-fields: (
    doc: (
      __elembic_field: true,
      version: 4,
      name: "doc",
      doc: "The content of the syllabus",
      typeinfo: (
        __elembic_type: true,
        type-kind: "native",
        version: 4,
        name: "content",
        input: (type(none), content, str, symbol),
        output: (content,),
        data: content,
        check: none,
        cast: (..) => ..,
        error: none,
        default: ([],),
        fold: none,
      ),
      default: auto,
      required: true,
      synthesized: false,
      named: false,
      fold: none,
      folds: false,
      internal: false,
      meta: (:),
    ),
    minipage: (
      __elembic_field: true,
      version: 4,
      name: "minipage",
      doc: "If `minipage` is true, `set page(...)` will be avoided so that the
syllabus content can be typeset in a box/blockt",
      typeinfo: (
        __elembic_type: true,
        type-kind: "native",
        version: 4,
        name: "boolean",
        input: (bool,),
        output: (bool,),
        data: bool,
        check: none,
        cast: none,
        error: none,
        default: (false,),
        fold: none,
      ),
      default: false,
      required: false,
      synthesized: false,
      named: true,
      fold: none,
```

```
          folds: true,
          internal: false,
          meta: (:),
        ),
      ),
    all-fields: (
      doc: (
        __elembic_field: true,
        version: 4,
        name: "doc",
        doc: "The content of the syllabus",
        typeinfo: (
          __elembic_type: true,
          type-kind: "native",
          version: 4,
          name: "content",
          input: (type(none), content, str, symbol),
          output: (content,),
          data: content,
          check: none,
          cast: (..) => ..,
          error: none,
          default: ([],),
          fold: none,
        ),
        default: auto,
        required: true,
        synthesized: false,
        named: false,
        fold: none,
        folds: false,
        internal: false,
        meta: (:),
      ),
      minipage: (
        __elembic_field: true,
        version: 4,
        name: "minipage",
        doc: "If `minipage` is true, `set page(...)` will be avoided so that the
syllabus content can be typeset in a box/blockt",
        typeinfo: (
          __elembic_type: true,
          type-kind: "native",
          version: 4,
          name: "boolean",
          input: (bool,),
          output: (bool,),
          data: bool,
          check: none,
          cast: none,
          error: none,
          default: (false,),
          fold: none,
        ),
        default: false,
        required: false,
```

```
          synthesized: false,
          named: true,
          fold: none,
          folds: true,
          internal: false,
          meta: (:),
        ),
      ),
      allow-unknown-fields: false,
    ),
    typecheck: true,
    allow-unknown-fields: false,
    template: (..) => ..,
    prepare: none,
    default-constructor: default-constructor,
    func: default-constructor,
    elem-args: arguments(
      "template",
      display: (..) => ..,
      fields: (
        (
          __elembic_field: true,
          version: 4,
          name: "doc",
          doc: "The content of the syllabus",
          typeinfo: (
            __elembic_type: true,
            type-kind: "native",
            version: 4,
            name: "content",
            input: (type(none), content, str, symbol),
            output: (content,),
            data: content,
            check: none,
            cast: (..) => ..,
            error: none,
            default: ([],),
            fold: none,
          ),
          default: auto,
          required: true,
          synthesized: false,
          named: false,
          fold: none,
          folds: false,
          internal: false,
          meta: (:),
        ),
        (
          __elembic_field: true,
          version: 4,
          name: "minipage",
          doc: "If `minipage` is true, `set page(...)` will be avoided so that the
syllabus content can be typeset in a box/blockt",
          typeinfo: (
            __elembic_type: true,
```

```
          type-kind: "native",
          version: 4,
          name: "boolean",
          input: (bool,),
          output: (bool,),
          data: bool,
          check: none,
          cast: none,
          error: none,
          default: (false,),
          fold: none,
        ),
        default: false,
        required: false,
        synthesized: false,
        named: true,
        fold: none,
        folds: true,
        internal: false,
        meta: (:),
      ),
    ),
    prefix: "@preview/utoronto-syllabus,v0.1.0",
    doc: "The syllabus template. Use with `#show: template`.",
    parse-args: auto,
    typecheck: true,
    allow-unknown-fields: false,
    template: (..) => ..,
    prepare: none,
    construct: none,
    scope: none,
    count: step,
    labelable: auto,
    reference: none,
    outline: none,
    synthesize: none,
    contextual: false,
  ),
)
```