

# Quarto Course Website Template

This is a template repository for creating Quarto-based course websites. It provides a complete structure for organizing and publishing course materials, including syllabus, schedule, assessments, lectures, and resources.

## Quick Start

1. **Copy this template** to create your course repository
2. **Replace all placeholders** (see `CUSTOMIZATION_CHECKLIST.md`)
3. **Customize content** for your specific course
4. **Set up GitHub repositories** (see `GITHUB_SETUP.md`)
5. **Deploy** using GitHub Actions

## What's Included

### Website Structure

- **Home Page** (`index.qmd`) - Course overview and quick links
- **Syllabus** (`syllabus.qmd`) - Course information and policies
- **Schedule** (`schedule.qmd`) - Weekly schedule with links to materials
- **Lectures** (`lectures.qmd`) - Organized lecture materials by week
- **Assessments** (`assessments.qmd`) - Overview of all assessments
- **Resources** (`resources.qmd`) - Course resources and reference materials
- **License** (`license.qmd`) - Creative Commons license information

### Folder Structure

- `activities/` - Classroom activities
- `assessments/` - Assessment overview page
- `concepts/` - Learning objectives and concepts
- `drafts/` - Draft materials (not published)
- `exams/` - Exam files
- `labs/` - Lab assignments
- `lectures/` - Individual lecture files
- `lessons/` - Lesson materials
- `problems/` - Practice problems
- `projects/` - Project assignments
- `quizzes/` - Quiz files
- `scripts/` - Automation scripts for Canvas
- `assets/` - CSS, images, data, PDFs

### Features

- **Dual Output Formats** - HTML for web, PDF for printing
- **Responsive Design** - Works on desktop and mobile
- **Navigation** - Sidebar navigation with page TOC
- **Search** - Built-in search functionality
- **Code Highlighting** - Syntax highlighting for code examples

- **GitHub Actions** - Automatic deployment to public repository
- **Canvas Integration** - Scripts for creating Canvas assignments and modules

## Customization

### Step 1: Replace Placeholders

Use the `CUSTOMIZATION_CHECKLIST.md` to systematically replace all placeholders:

- `COURSE_NUMBER` - Your course number
- `COURSE_TITLE` - Full course title
- `SEMESTER_YEAR` - Semester and year
- `INSTRUCTOR_NAME` - Your name
- `INSTRUCTOR_EMAIL` - Your email
- `GITHUB_USERNAME` - Your GitHub username
- `CANVAS_COURSE_ID` - Canvas course ID (if using Canvas)
- `CANVAS_API_TOKEN` - Canvas API token (if using Canvas)

### Step 2: Customize Content

- Update course description in `index.qmd` and `syllabus.qmd`
- Customize schedule dates in `schedule.qmd`
- Adjust assessment structure in `assessments.qmd`
- Add course-specific resources to `resources.qmd`
- Customize license information in `license.qmd`

### Step 3: Set Up GitHub

Follow the instructions in `GITHUB_SETUP.md` to:

1. Create private and public repositories
2. Configure GitHub Actions
3. Set up GitHub Pages
4. Configure secrets for deployment

### Step 4: Test Locally

```
# Preview the site
quarto preview

# Build the site
quarto render
```

### Step 5: Deploy

Push to your private repository and GitHub Actions will automatically:

1. Render the Quarto site
2. Deploy to your public repository
3. Publish to GitHub Pages

## Canvas Integration (Optional)

If you use Canvas, the `scripts/` folder contains Python scripts to:

- Create Canvas assignments with proper due dates
- Link assignments to your public course website

- Create Canvas modules organized by week
- Set up assignment groups with weights

See `scripts/README_CANVAS_API.md` for setup instructions.

## License

This template is licensed under Creative Commons Attribution-NonCommercial 4.0 International (CC BY-NC 4.0). You are free to use and adapt this template for non-commercial purposes with attribution.

## Support

For issues or questions:

1. Check the `CUSTOMIZATION_CHECKLIST.md` for common tasks
2. Review the `README.md` for repository-specific documentation
3. Consult Quarto documentation: <https://quarto.org/>

## Credits

This template is based on the STAT 109 course website structure and follows best practices for Quarto website development.