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# Site Reliability Engineering

Course Overview

>>>

# Course Pacing Guide

| | | | | | |
|---|---|---|---|---|---|
| **Day 1** | Introductions | SRE Entry Quiz | Intro to DevOps | Git | Jenkins |
| **Day 2** | Jenkins Exercise | Kubernetes | Intro to SRE | What is Toil? | Estimating Toil |
| **Day 3** | Calculate Toil | Prioritise Toil | Pipeline Exercise | Monitoring: Prometheus & Grafana | Exercise: Prometheus & Grafana |
| **Day 4** | Observability | SLI/SLO | SLI/SLO Grafana Exercise | Incident Management | Postmortems |
| **Day 5** | Debrief | Final Project Recap | Final Project | Final Project Presentations | SRE Exit Quiz |

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# Important: Course Naming Conventions

## This course uses standard naming conventions

↘ The naming standards are used throughout the course and **should contain digits and lowercase letters only.**

↘ Example: John Smith, who is in Group 1 and in Cohort R000, should follow the following conventions:

>>> Individual: **x###firstnamelastinitial** e.g.: r000johns
>>> Team: **x###teamnumber** e.g.: r000team01

>>> Where x### is your course code **(x = r – reskill   c – cohort | ### = course no.)**

↘ **If you don't follow the convention, your work could be deleted.**

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# Course Material

↘ Course material within Engage will have different labels or names.

↘ You will have access after the course is over.

↘ Standard Material
>>> Non-denominated PDFs
>>> Activities (Exercises)
>>> Quizzes

↘ Supplementary Material
>>> "Extended Presentation" PDFs
>>> Practice (Exercises)

↘ Course material within GitHub will have examples for the course and production environment code.

↘ You will not have access after the course is over.

↘ Repository Links:
>>> https://github.com/The-Software-Guild/sre-course-examples
>>> https://github.com/The-Software-Guild/sre-course-infra
>>> https://github.com/The-Software-Guild/sre-git-refresh
>>> https://github.com/The-Software-Guild/sre-orderbook

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# Introductions

↘ Who are you?

>>> Job role

>>> Is your role more Dev / DevOps or Ops based?

>>> What do you hope to get out of this course?

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