

# Architecting System Performance; Course Overview

by *Gerrit Muller* [TNO-ESI, University of South-Eastern Norway]

e-mail: `gaudisite@gmail.com`

`www.gaudisite.nl`

## Abstract

Course overview of the course Architecting System Performance.

### Distribution

This article or presentation is written as part of the Gaudí project. The Gaudí project philosophy is to improve by obtaining frequent feedback. Frequent feedback is pursued by an open creation process. This document is published as intermediate or nearly mature version to get feedback. Further distribution is allowed as long as the document remains complete and unchanged.

August 21, 2020  
status: preliminary  
draft  
version: 0.3

1. Course Introduction	8. Emerging Behaviour	time-oriented performance
2. Managing system performance	9. Budgeting	15. Measuring Performance
3. Course didactics	10. Modeling Paradigms	16. Resource Management
4. Connecting breadth and depth	11. Applications and Variations	17. Greedy and Lazy Pattern
5. Performance Modeling	12. Model Analysis	18. Scheduling
6. Level of Abstraction	13. Reasoning Approach	19. Robust Performance
7. Visualizing Dynamic Behavior	14. Defining Performance	20. Bloating, Waste, and Value

# Nuggets Architecting System Performance

---

1. Course introduction	8. Emerging Behaviour	time-oriented performance
2. Managing system performance	9. Budgeting	
3. Course didactics	10. Modeling Paradigms	
4. Connecting breadth and depth	11. Applications and Variations	
5. Performance Modeling	12. Model Analysis	
6. Level of Abstraction	13. Reasoning Approach	
7. Visualizing Dynamic Behavior	14. Defining Performance	
		15. Measuring Performance
		16. Resource Management
		17. Greedy and Lazy Pattern
		18. Scheduling
		19. Robust Performance
		20. Bloating, Waste, and Value

# Assignments in Face-to-Face Module

