		AC215 FALL 2024 SCHEDULE
		AUZ 13 I ALL ZUZ+ GUILDULL
		Introduction
		Virtual Enviroments and Virtual Machines
		Containers I Containers II
		Data Pipelines/ Data Management: Extract, Transform, Load (ETL) and Data Version
9/19		TF Data, TF Records, PyTorch Dataset, DataLoader, Cloud Storage
9/24		LLM tools and agents 1: LangChain, LlamaIndex, API calls, RAG, AI agents
9/26	8	LLM tools and agents 2: LangChain, LlamaIndex, API calls, RAG, AI agents
10/1	9	LLM fine tuning and LORA
	10	LLM fine tuning QLoRA
10/8	. •	PROJECT WEEK
10/10		PROJECT WEEK
10/15	11	Model Optimization: Distillation, Compression
10/17		Advanced training workflows: experiment tracking (W&B), multi GPU, serverless training (Vertex AI)
10/22		Model Deployment: Hosting, APIs, and Serving LLMs
10/24		Modal Labs Guest Lecture Zoom
	15	Testing, Cloud Functions, Cloud Run, Kubeflow, Vertex AI Pipelines
	40	Midterm Automotion Coffusion Power Property CI/OP with Citable Actions and other tools (IR)
		Automating Software Development: CI/CD with GitHub Actions and other tools [IB]
		App design, setup and code organization (SJ)
		APIs & Frontend (SJ) (Frontend - React (SJ) Optional Extra to be Scheduled)
		Deployment: Ansible
		Scaling: Kubernetes
	21	Final: CI/CD releases etc
		THANKS GIVING WEEK
12/3		PROJECT TIME
40/0		
12/9		Showcase
12/11		DELIVERABLES DEADLINE
	9/3 9/5 9/10 9/12 9/17 9/19 9/24 9/26 10/1 10/3 10/8 10/10 10/15 10/17 10/22 10/24 10/29 10/31 11/5 11/7 11/12 11/14 11/19 11/21 11/26 11/28 12/3	9/5 2 9/10 3 9/12 4 9/17 5 9/19 6 9/24 7 9/26 8 10/1 9 10/3 10 10/8 10/10 10/15 11 10/17 12 10/22 13 10/24 14 10/29 15 10/31 11/5 16 11/7 17 11/12 18 11/14 19 11/19 20 11/21 21 11/26 11/28 12/3 12/9