

江西理工大学  
信息工程学院

Jiangxi University of Science and Technology  
School of information engineering



## 高级算法分析与设计

## Advanced Algorithm Analysis and Design



### Lecture 00: intro to Course

**Dr Ata Jahangir Moshayedi**

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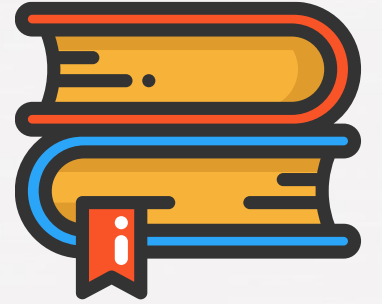
Prof Associate ,  
School of information engineering Jiangxi  
university of science and technology, China

LIVE Lecture series

Autumn \_2022



江西理工大学  
JIANGXI UNIVERSITY OF SCIENCE AND TECHNOLOGY



# 高级算法分析与设计

Advanced Algorithm Analysis and Design

LECTURE 01:

## Course introduction

# Agenda



# 目录

## CONTENTS

1 Why should you study algorithms

2 What is an algorithm

3 What you can expect to learn from this course

4





# 01

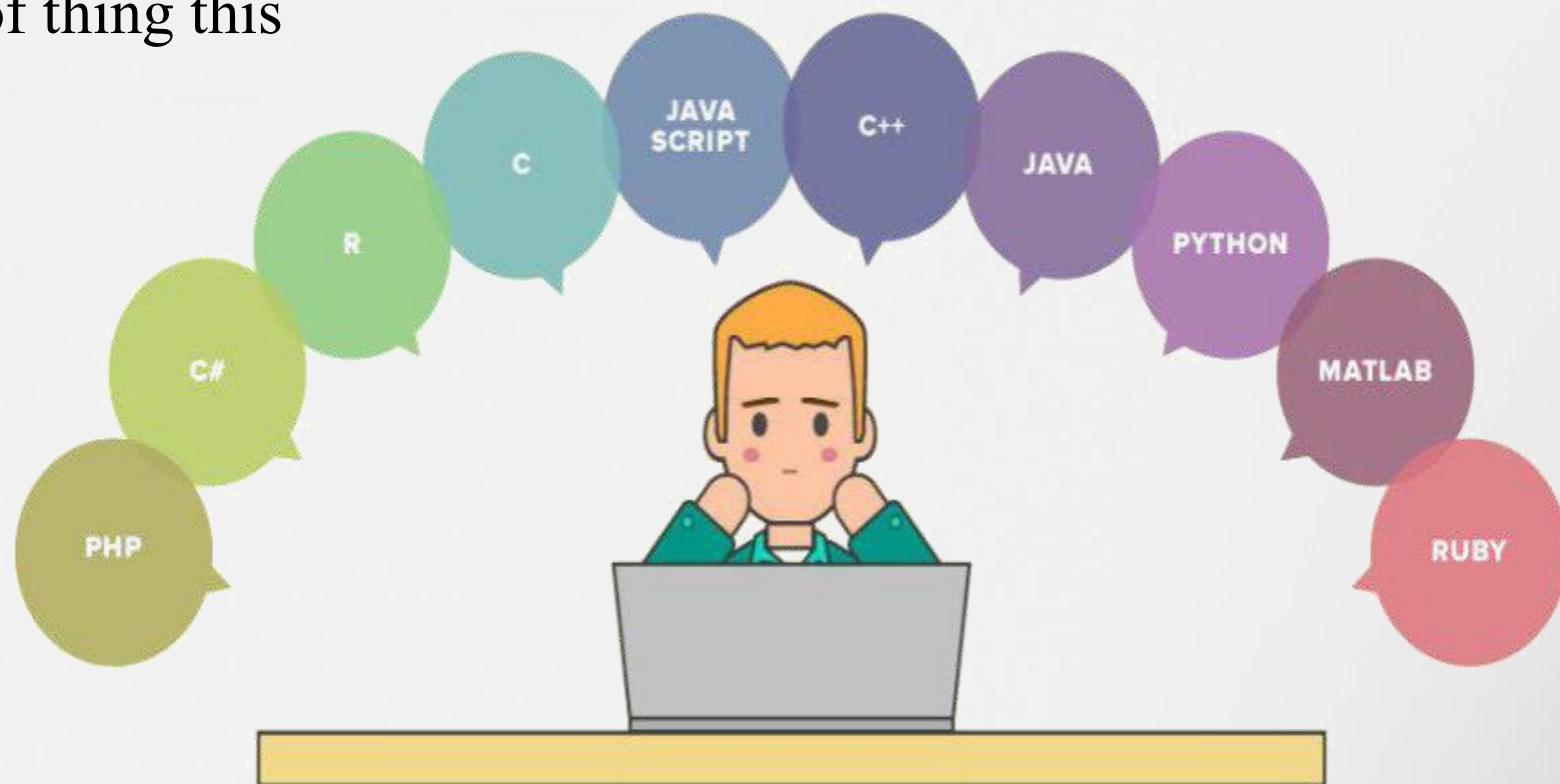
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## Intro To Course

Let us .....

你好  
Nǐ hǎo

- Let us have a brief view to our course
- Don't worry we will learn lots of thing this semester





# Who Am I?



**Dr. Ata Jahangir Moshayedi**

**Ph.D. Electronic , in the Field of Mobile olfaction system Pune University, India**

**Prof Associate :**

- 403, School of information engineering Jiangxi university of science and technology, China

**EMAIL:**

**Academic:** [ajm@jxust.edu.cn](mailto:ajm@jxust.edu.cn)

**Personal:** [drajm@qq.com](mailto:drajm@qq.com)

Researcher in the field of robotic and Automation  
MSc. Instrumentation  
BE. Power electronic

**Web page**

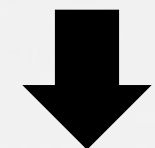
[www.ajmoshayedi.ir](http://www.ajmoshayedi.ir)

# Course Meeting Times

Subject: 高级算法分析与设计

Advanced Algorithm Analysis and Design

week: 10-17  
Tuesday/friday: 7.8  
time: 15:50-17:30  
build: 文山楼 419



Monday



Friday

| 2022-2023（上）学期硕士研究生公共课课表 |      |     |    |    |       |     |     |     |     |     |     |     |      |       |         |    |        |   |
|--------------------------|------|-----|----|----|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|---------|----|--------|---|
| 课程名称                     | 课程类别 | 人数  | 学时 | 学分 | 起止周   | 星期一 | 星期二 | 星期三 | 星期四 | 星期五 | 星期六 | 星期日 | 开课校区 | 教室    | 任课教师姓名  | 班级 | 开课学院   | 教学班组成   |
| 高级算法分析与设计                | 学位课  | 126 | 32 | 2  | 10-17 |     | 78  |     |     | 78  |     |     | 三江校区 | 文山419 | Ata（外教） |    | 信息工程学院 | 信息学院（计算机软件与理论、计算机应用技术；计算机技术、软件工程、人工智能、大数据技术与工程、网络与信息安全） |





# JOIN NOW

**Ask whatever you want here**

**Please don't write any text in this group**



MY  
WECHAT ID

MY  
WECHAT ID



# Please Never.....

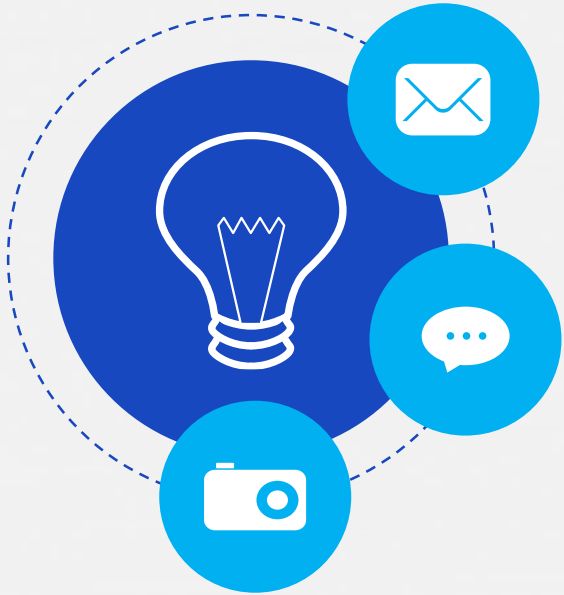


- Please never share any Text or message in this group.
- If you put any text in this group you may make your friend confused .
- For any Question please send on my personal wechat ID

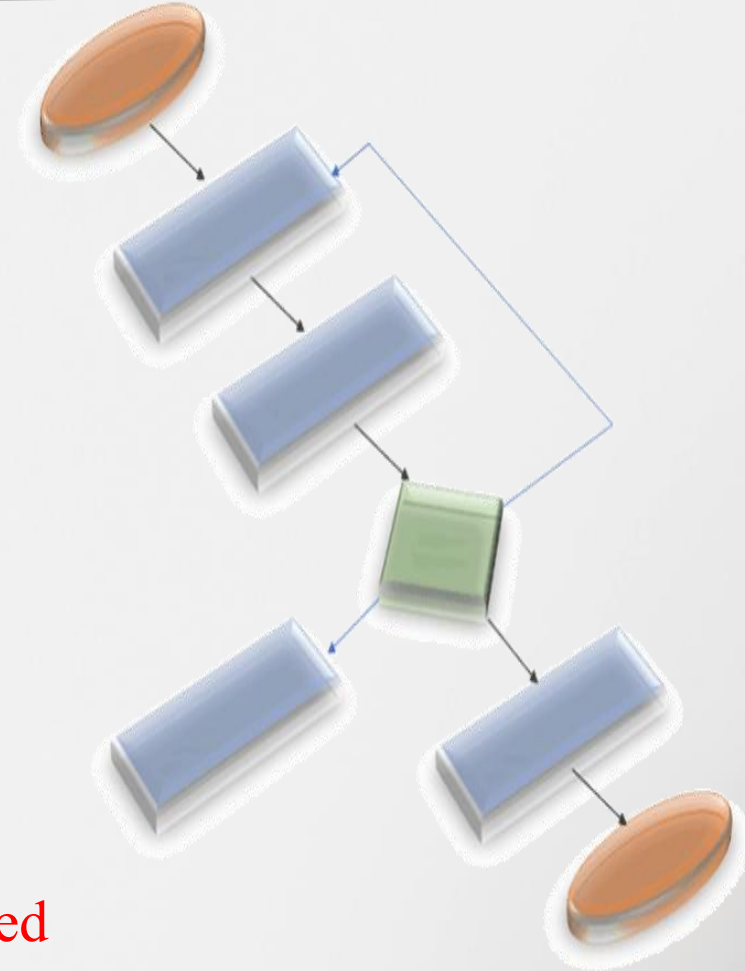
- 请不要在该组中共享任何文本或消息。
- 如果您在此组中添加任何文本，可能会使您的朋友感到困惑。
- 如有任何疑问，请发送我的个人微信ID



# Course Format and Grading policy

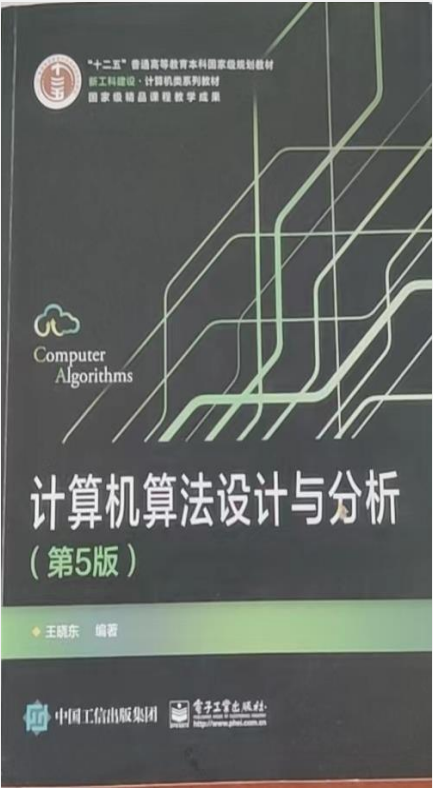
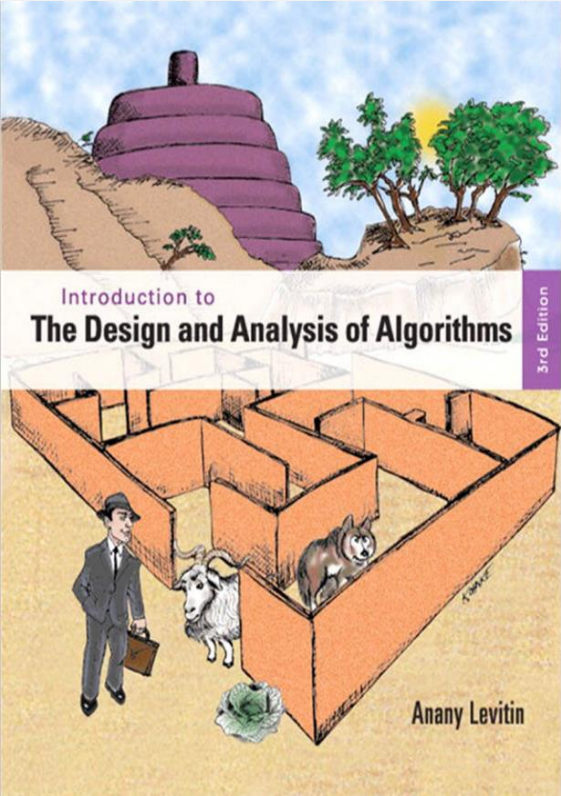


- **Homework: 30%**
  - Problem sets
  - Occasional programming assignments
- **midterm : 30%**
- **Final exam: 40%**
- **Quiz and participation 10%**
- **Bring your PC in lectures times**
- **One lowest grades in homework will be dropped**





# Reference book



MY POWER POINT  
AND TASK



3

1

2

# Notice

Getting answers from the internet is:  
**CHEATING**  
Getting answers from your friends is:  
**CHEATING**

However, **teamwork** is encouraged.

Group size **at most 3**.

Clearly **acknowledge** who you worked with.

Do **NOT** get answers  
from other groups!

Do **NOT** do half the assignment  
and your partner does the other half.

**Each** try **all** on your own.

Discuss ideas **verbally** at a **high-level**  
but write up on your own.



- For home work you should try my course code in python

Test in lecture



Test as home work

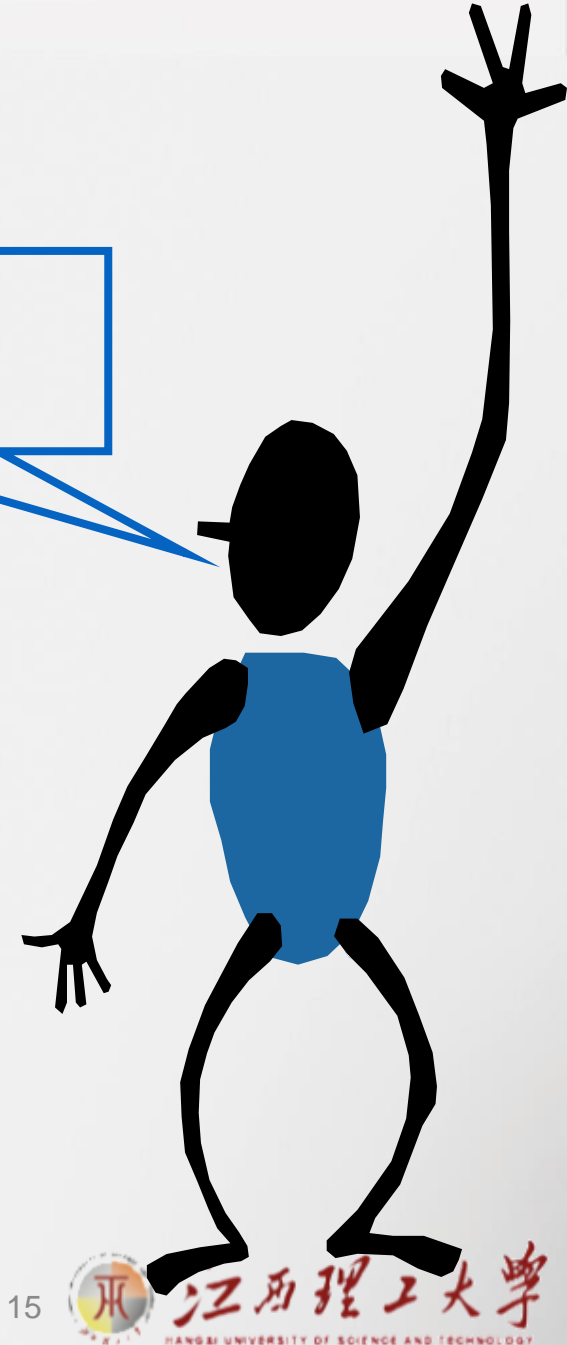


# Feedbacks

- I appreciate your feedbacks
- Your feedbacks help me know how I can better deliver my lectures, which will ultimately benefit you
- You get bonus points in homework for your feedbacks

Please feel free to ask questions!

Help me know what people are not understanding  
We do have a lot of material  
It's your job to slow me down



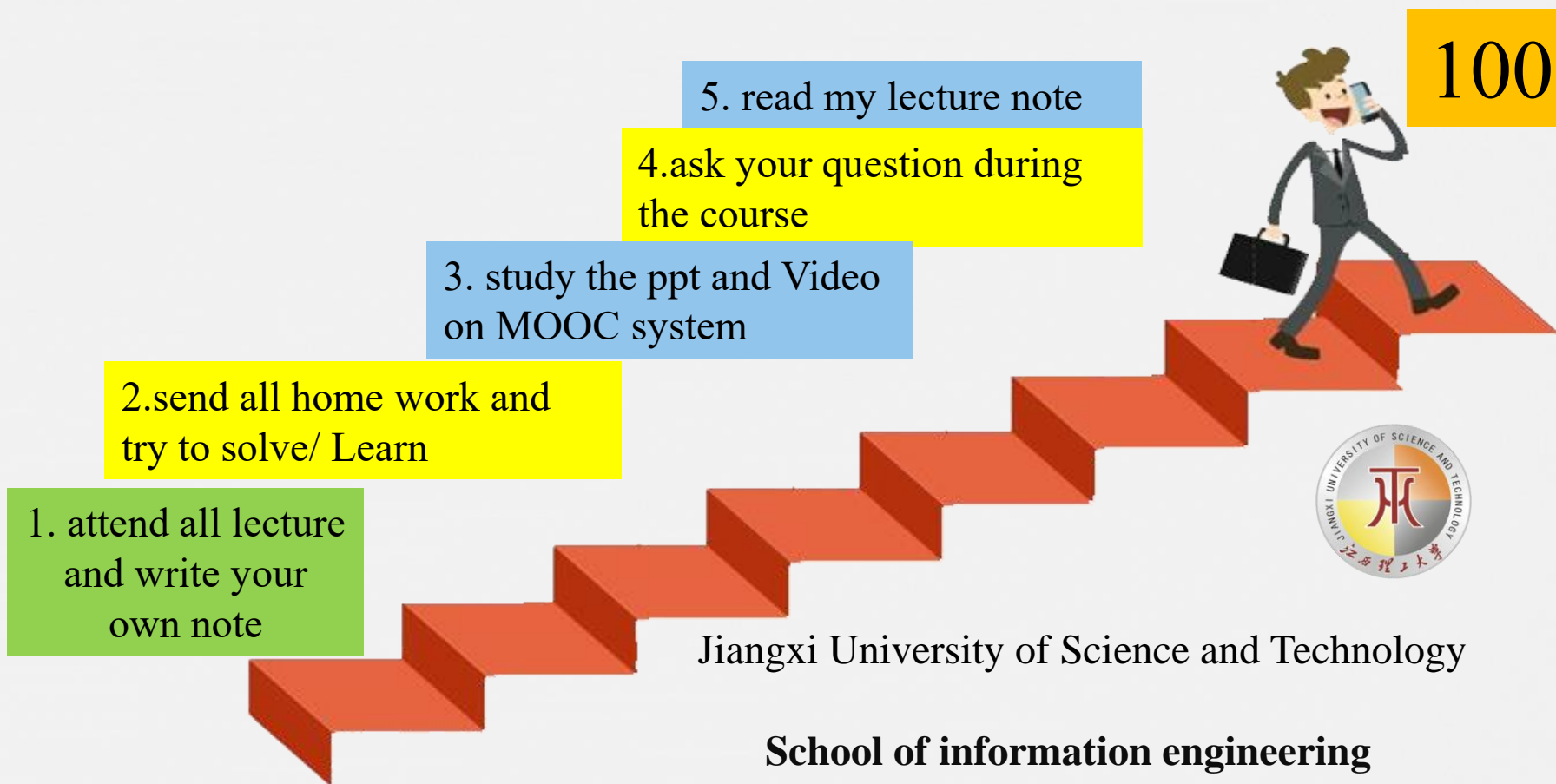


- 积极参加我的讲座并完成任务
- 享受学习
- 任何时候您可以问和不认为英语问题，我们都会为您解决



- Be active in my lectures and do the task
- Enjoy learning
- Any time you can ask and don't think for English language problem we will solve it

# How to enjoy this Course



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Advanced Algorithm  
Analysis and Design



THANK YOU





“The beauty of research is that you never know where it’s going to lead.”

RICHARD ROBERTS  
Nobel Prize in Physiology or  
Medicine 1993





**"BE HUMBLE. BE HUNGRY.  
AND ALWAYS BE THE  
HARDEST WORKER  
IN THE ROOM."**

