

PREFACE

SYSTEM MODELING & SIMULATION
2018.3

3/8/18

YUKUN LIU, BUPT

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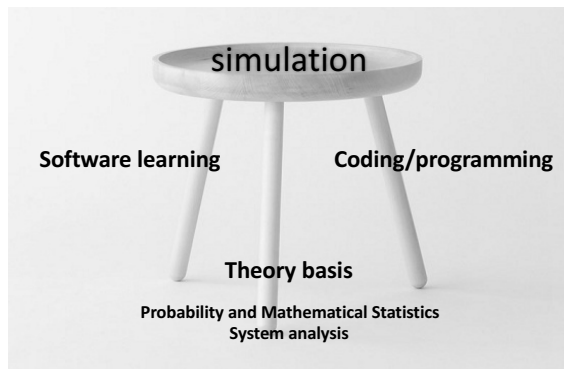
Basic Information

- **NAME:** System Modeling & Simulation
- **COURSE NUMBER:** SA-3142100860
- **CREDIT HOUR:** 32
- **CREDIT:** 2
- **PREREQUISITES:**
 - Advanced mathematics
 - Probability and Mathematical Statistics
 - Computer programming

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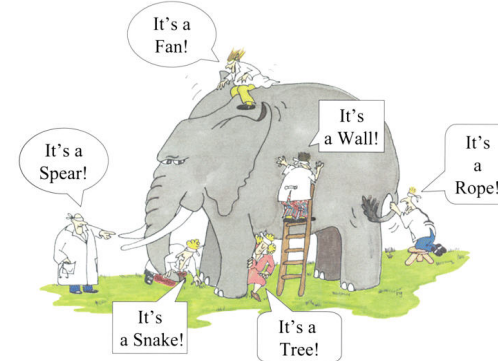
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Teaching Material

- **Textbook**

- Averill M. Law. *Simulation Modeling and Analysis* (4rd/5th Edition), Beijing: Tsinghua University Press.
- Averill M. Law 著, 肖田元, 范文慧译. 系统建模与分析(第4版), 北京:清华大学出版社, 2012.

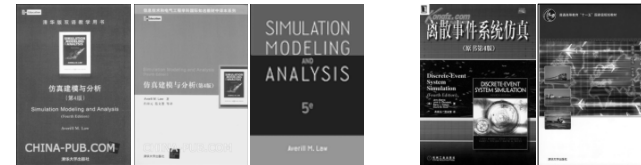
- **Reference**

- Jerry Banks等著, 肖田元等译. 离散事件系统仿真(第4版), 北京: 机械工业出版社, 2007.
- 张晓萍, 石伟, 刘玉坤. 物流系统仿真. 北京: 清华大学出版社, 2008.

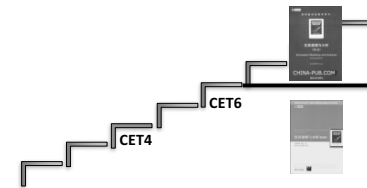
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SMAA: THE BIBLE OF SIMULATION



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Grades

- Regular performance 20%
- Closed-book Mid-term exam 20%
- Project performance 20%
- Closed-book Final exam 40%
- Plus vs. Minus based on RP, to 0%~20%
 - Performance in and after class
 - Attendance (Gambling & Winning)

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What is the use of this course?

- “ Education is what you have left after all that is taught is forgotten”.
- “The Future of Everything is Simulation”
- To be a simulation engineer!

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系统级仿真工程师

21-28万 | 北京 | 本科或以上 | 2年工作经验

40分钟前 | 投递后：10天以内反馈

普天信息技术有限公司
通信(设备/运营/增值)

五险一金 交通补助 午餐补助

仿真工程师

10-24万 | 杭州 | 学历不限 | 经验不限

57分钟前 | 投递后：48小时反馈

长江汽车
汽车/摩托车

年底双薪 带薪年假 午餐补助

上海 | 上海涵祺自动化科技有限公司 昨天发布 | 来自一英才网

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Contents

“A first course in simulation at the junior, senior, or beginning-graduate-student level in engineering, manufacturing, business, or computer science.
Chapter 1~4; Parts of chapter5~9.”

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Week	Date	Type	Contents
1	2018/3/8	L	C1-1
2	2018/3/15	L	C1-2
3	2018/3/22	L	C6
4	2018/3/29	L	C9-1
5	2018/4/5		清明节
6	2018/4/12	L	C9-2, C10
7	2018/4/19	D	
8	2018/4/26	L	C5
9	2018/5/3	L	C7, C8
10	2018/5/10	D	
11	2018/5/17	P	AutoMod beginning--SSQS
12	2018/5/24	P	ASS-Conveyor
13	2018/5/31	P	AGV-Pathmover
14	2018/6/7	P	inventory model
15	2018/6/14	P	comprehensive experiment
16	2018/6/21	D	C1-3, Review
17/18		Exam	Final Exam

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Contact Information

- **Public E-mail address**
 - For download ONLY: cwfugstubupt@163.com ; PW: 2015spring
- **Professor**
 - Yukun Liu, lykbupt@163.com, 13683260091
 - Office hour and address: TBD (Thur. 9:00~10:00; Teac.Bldg ? - ?)
- **TA (Res.Bldg 808)**
 - Xueka Bian
 - Jiayuan Xing

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3 TIPS TO MAKE LEARNING EASIER



Print the PPT before classes and bring it to class.



TAKE NOTES!

DO NOT COPY/PLAGIARIZE !



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THANK YOU

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