## 浙江大学本科教学日历

学 分: 4 16 周 (2024/2025 学年秋冬学期) 主讲教师: 陈越

讲 课: 3 学时/周

 习题课:
 学时
 课程名称: 高级数据结构与算法分析
 专业年级:

 实 验:
 2 学时/周
 学生人数:

其 他: 学时

合 计: 5学时/周

B			 讲 课			其 他 教 学 环			
放	周	日	21	课	课			课	44. 4 <del></del>
No.   No.			<b>地</b>						
1 9-10	次	期	(本)		时	他教学实践环节			月几
2   9-21   B+ Tree; Red-black Tree   2   1   PTA   HW2				数	数		数	数	
3   9-24   Inverted File Index   2   1   Search Engine PTA HW3   4   10-8   Leftist Heap; Skew Heap   2   1   PTA HW4   P2. Shortest Path Algorithm with Heaps PTA HW5   PTA HW5   PTA HW5   PTA HW5   PTA HW5   PTA HW5   PTA HW6   PTA HW7   PTA HW6   PTA HW7   PTA HW8   PTA HW9   PTA HW10   PTA HW10   PTA HW10   PTA HW11   PTA HW11   PTA HW12   PTA				_	0				
3   9-24   Inverted File Index   2   1   Search Engine   PTA HW3   4   10-8   Leftist Heap; Skew Heap   2   1   PTA HW4   P2. Shortest Path Algorithm   With Heaps   PTA HW5   PTA HW5   PTA HW6   PTA HW6   PTA HW6   PTA HW6   PTA HW6   PTA HW6   PTA HW7   PTA HW6   PTA HW7   PTA HW6   PTA HW7   PTA HW7   PTA HW7   PTA HW7   PTA HW8   PTA HW9   PTA HW10   PTA HW10   PTA HW10   PTA HW10   PTA HW11   PTA HW11   PTA HW11   PTA HW11   PTA HW12   P	2	9-21	B+ Tree; Red-black Tree	2	1				
PTA HW3									
4   10-8   Leftist Heap; Skew Heap   2   1   PTA HW4         5   10-15   Binomial Queue   2   1   with Heaps   PTA HW5       6   10-22   Backtracking   2   1   PTA HW6       7   10-29   Divide and Conquer   2   1   PTA HW7       8   11-5   Dynamic Programming (Announce Mid-term)   2   1   PTA HW8       9   11-12   Greedy Algorithms   2   1   PTA HW9       ** 11-13   MidTerm	3	9-24	Inverted File Index	2	1				
5   10-15   Binomial Queue									
5   10-15   Binomial Queue	4	10-8	Leftist Heap; Skew Heap	2	1				
PTA HW5   PTA HW5   PTA HW6   PTA HW7   PTA HW7   PTA HW7   PTA HW7   PTA HW8   PTA HW8   PTA HW8   PTA HW8   PTA HW8   PTA HW9   PTA HW10   PTA HW10   PTA HW10   PTA HW11   PTA HW11   PTA HW11   PTA HW11   PTA HW11   PTA HW11   PTA HW12   PTA HW1		10-15	Binomial Queue	2		<u> </u>			
10-22   Backtracking   2   1   P3. Recover the Design   PTA HW6   PTA HW6   PTA HW6   PTA HW7   PTA HW7   PTA HW7   PTA HW8   PTA HW9   PTA HW11   PTA HW11   PTA HW11   PTA HW11   PTA HW12   PTA HW1	5				1	<u>-</u>			
10-22   Backtracking   2   1   PTA HW6									
7       10-29       Divide and Conquer       2       1       PTA HW7         8       11-5       Dynamic Programming (Announce Mid-term)       2       1       P4. Red-black Tree PTA HW8         9       11-12       Greedy Algorithms       2       1       P5. Shopping With Coupons PTA HW9         *       11-13       MidTerm       2       1       PTA HW10         10       11-19       NP Problems       2       1       PTA HW10         11       11-26       Approximation       2       1       P6. Texture Packing PTA HW11         12       12-3       Local Search       2       1       PTA HW12         13       12-10       Randomized Algorithms       2       1       P7. Skip Lists	6	10-22	Backtracking	2	1	_			
8       11-5       Dynamic Programming (Announce Mid-term)       2       1       P4. Red-black Tree PTA HW8         9       11-12       Greedy Algorithms       2       1       P5. Shopping With Coupons PTA HW9         *       11-13       MidTerm       2       1       PTA HW10         10       11-19       NP Problems       2       1       PTA HW10         11       11-26       Approximation       2       1       P6. Texture Packing PTA HW11         12       12-3       Local Search       2       1       PTA HW12         13       12-10       Randomized Algorithms       2       1       P7. Skip Lists	7	10.20	Divide and Commune	0	1				
8       11-5       Dynamic Programming (Announce Mid-term)       2       1       PTA HW8         9       11-12       Greedy Algorithms       2       1       P5. Shopping With Coupons PTA HW9         *       11-13       MidTerm       2       1       PTA HW10         10       11-19       NP Problems       2       1       PTA HW10         11       11-26       Approximation       2       1       P6. Texture Packing PTA HW11         12       12-3       Local Search       2       1       PTA HW12         13       12-10       Randomized Algorithms       2       1       P7. Skip Lists		10-29	Divide and Conquer		1				
9 11-12 Greedy Algorithms 2 1 P5. Shopping With Coupons PTA HW9  * 11-13 MidTerm  10 11-19 NP Problems 2 1 PTA HW10  11 11-26 Approximation 2 1 P6. Texture Packing PTA HW11  12 12-3 Local Search 2 1 PTA HW12  13 12-10 Randomized Algorithms 2 1 P7. Skip Lists	8	11-5	Dynamic Programming (Announce Mid-term)	2	1				
9									
* 11-13 MidTerm       2 1 PTA HW10         10 11-19 NP Problems       2 1 PTA HW10         11 11-26 Approximation       2 1 PTA HW11         12 12-3 Local Search       2 1 PTA HW12         13 12-10 Randomized Algorithms       2 1 PTA HW12         P7. Skip Lists	9	11-12	Greedy Algorithms	2	1				
10       11-19       NP Problems       2       1       PTA HW10         11       11-26       Approximation       2       1       P6. Texture Packing PTA HW11         12       12-3       Local Search       2       1       PTA HW12         13       12-10       Randomized Algorithms       2       1       P7. Skip Lists	*	11-13	MidTerm			I III IIII I			
11       11-26       Approximation       2       1       P6. Texture Packing PTA HW11         12       12-3       Local Search       2       1       PTA HW12         13       12-10       Randomized Algorithms       2       1       P7. Skip Lists				2	1	PTA HW10			
11   11-26   Approximation						P6. Texture Packing			
12       12-3       Local Search       2       1       PTA HW12         13       12-10       Randomized Algorithms       2       1       P7. Skip Lists	11	11-26	Approximation	2	1	_			
13 12-10 Randomized Algorithms 2 1 P7. Skip Lists	12	12-3	Local Search	2	1				
13   12-10   Randomized Algorithms	1.0		D 1 1 1 1 1 1 1 1	0	,	P7. Skip Lists			
	13	12-10	Kandomized Algorithms	2	1	PTA HW13			
14 10 17 Poulle Alexander	14	12-17	Parallel Algorithms	2	,	P8. Mapreduce			
14   12-17   Parallel Algorithms   2   1   PTA HW14					1	PTA HW14			
15 12-24 External Sorting 2 1 PTA HW15	15	12-24	External Sorting	2	1	PTA HW15			

## 说明:

- 1. 按照教学大纲编排教学日历时应参照校历将假日考虑进去。
- 2. 教师应按照教学大纲备课,确保教学大纲规定的基本要求。
- 3. 本日历由教师在假期认真备课填好后,经系主任审核签字后,送学院或留系存档。同时翻印若干份,开学第一周发给学生每小班1份。 系主任签字:

年 月 日

辅导教师: