

# 《地下工程施工》课程教学大纲

Underground Engineering Construction

09911072

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1

6

1

**3.1**

2

**3.2**

3

**6.1**

**1**

1	3. / : (	3.1
2	3. / : (	3.2
3	6. :	6.1

**2**

			/
1.		1	0.5
2.		1	0.5
3.		1	1
4.		1 3	1
5.		2	2
6.		3	1
7.		1 2 3	1
			7

1

2

3

4

5

6

7

8

9

1

2

$x_1=40\%$ 、 $x_2=60\%$

100% =

$x_1 +$

$x_2$

**3**

			2	
1		100		$\frac{x_1}{x_2}$ 3
2		100		$\frac{x_1}{x_2}$ 3

= \_\_\_\_\_

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**4**

1	0.5		1-1=50	1-1	$S_1 = \frac{a_1 A_{1-1} + a_2 A_{1-2}}{a_1 O A_{1-1} + a_2 O A_{1-2}}$
			1-2=50	1-2	
2	0.3		2-1=30	2-1	$S_2 = \frac{a_1 A_{2-1} + a_2 A_{2-2}}{a_1 O A_{2-1} + a_2 O A_{2-2}}$
			2-2=30	2-2	
3	0.2		3-1=20	3-1	$S_3 = \frac{a_1 A_{3-1} + a_2 A_{3-2}}{a_1 O A_{3-1} + a_2 O A_{3-2}}$
			3-2=20	3-2	
	$\sum_{i=1}^2 \gamma_i = 1.0$		100		$S = \sum_{i=1}^2 \gamma_i S_i$

1.

100

2.

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[1] . 3 [M]. : ,2011.

[2] . 5 [M]. : ,2012

1. MOOC

<https://www.icourse163.org/search.htm?search=%E6%B7%B7%E5%87%9D%E5%>

9C%9F%E7%BB%93%E6%9E%84#/  
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2.

<http://www.cnrmc.com/>

3.

<http://bbs.co188.com/forum-1698-1.html>

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