上海建桥学院课程教学进度计划表

**一、1. Basic Information**

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| --- | --- | --- | --- |
| Course Number | 2080428 | Course name | Non-Destructive Testing Methods |
| Credit | 4 | Total class hours | 64 |
| teacher | Hu Qinghua | email | 19641@gench.edu.cn |
| class | 机制中美B20-5 机制中美B20-6 | Classroom | VOOV Meeting |
| 答疑时间 | Thursday 12:00-14:00 |
| Textbook | Non-Destructive Evaluation Methods, Text copyright © 2003-2013 Thomas Lüthi |
| Textbook References | [1] Thomas Lüthi，Non-Destructive Evaluation Methods，2014】[2] Mohammed Omar, Nondestructive Testing Methods and New Applications, InTech, 2012 |

**二、Teaching Schedule**

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| --- | --- | --- | --- |
| week | Teaching content | Teaching method | homework |
| 1 | Introduction /History | Live Streaming Lecture via VooV | In-class activities & Supplementary Exercises |
| 2 | NDT Methods  | Live Streaming Lecture via VooV | In-class activities & Supplementary Exercises |
| 3 | Visual Inspection (VT)  | Live Streaming Lecture via VooV | In-class activities & Supplementary Exercises |
| 4 | Liquid Penetrant Testing (PT) | Live Streaming Lecture via VooV | In-class activities & Supplementary Exercises |
| 5 | Magnetic Particle Testing (MT)  | Live Streaming Lecture via VooV | In-class activities & Supplementary Exercises |
| 6 | Radiographic Testing (RT) & Ultrasonic Testing | Live Streaming Lecture via VooV | In-class activities & Supplementary Exercises |
| 7 | Ultrasonic Testing | Live Streaming Lecture via VooV | In-class activities & Supplementary Exercises |
| 8 | Eddy Current Testing | Live Streaming Lecture via VooV | In-class activities & Supplementary Exercises |
| 9 | Liquid penetrant test (LPT) | Live Streaming Lecture via VooV | In-class activities & Supplementary Exercises |
| 10 | Liquid penetrant test (LPT)& Magnetic particle test (MPT) | Live Streaming Lecture via VooV | In-class activities & Supplementary Exercises |
| 11 | Magnetic particle test (MPT) | Live Streaming Lecture via VooV | In-class activities & Supplementary Exercises |
| 12 | Radiographic test (RT) | Live Streaming Lecture via VooV | In-class activities & Supplementary Exercises |

**三、Assessment**

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| --- | --- | --- |
| **Marks（1+X）** | **Assessment** | **Weightage** |
| 1 | Final exam (50%) | 50% |
| X1 | Participation for the lectures 10% | 10% |
| X2 | Homework  | 10% |
| X3 | Experiment and report  | 20% |
| X4 | Mid-term exam | 10% |

Teacher ： Qinghua Hu Dean of Department： date：