**Application Form For Opening Graduate Courses**

School (Department/Institute)：School of Information Science and Engineering

Course Type: New Open √ Reopen □ Rename □**（**Please tick in □, the same below）

|  |  |  |
| --- | --- | --- |
| Course Name | Chinese | 移动通信和无线网络安全 |
| English | The Mobile Communication and Wireless Network Security |
| Course Number |  | Type of Degree  | Ph. D |   | Master | √ |
| Total Credit Hours | 54 | In Class Credit Hours | 54 | Credit |  3 | Practice |  | Computer-using Hours |  |
| Course Type | □Public Fundamental √Major Fundamental □Major Compulsory □Major Elective |
| School (Department) | Information Science and Engineering College | Term | Fall |
| Examination | A. √ Paper（□ Open-book □ Closed-book） B. □Oral C. Paper-oral Combination D. □ Others  |
| ChiefLecturer | Name | Song Yubo | Professional Title  | Associate Professor |
| E-mail | songyubo@seu.edu.cn | Personal Website |  |
| Teaching Language used in Course | Chinese | Teaching Material Website |  |
| Applicable Range of Discipline | Public | Title of Discipline | Information and Communication Engineering |
| Number of Experiment |  | Preliminary Courses |  |
| Teaching Books | Textbook Title | Author | Publisher | Year of Publication | Edition Number |
| Main Textbook | Bulletproof Wireless Security | Praphul Chandra | Elsevier | 2005 |  |
| Main Reference Books | Mobile and Wireless Network Security And Privacy | Kami Makki,Peter Reiher, Kia Makki, etc | Sprintger | 2007 |  |
| Wireless Communication Security | Hideke Imai | Artech House | 2005 |  |

1. **Course Introduction (including teaching goals and requirements) within 300 words:**

Understanding the security technologies of mobile communication and wireless network, including the concept of wireless security, the wireless network security protocols and the security analysis of the security model. This course will focus on the security problem and the corresponding solution in 2G/3G/4G mobile communication, wireless lan, wireless wan and wireless ad hoc network.

1. **Teaching Syllabus (including the content of chapters and sections. A sheet can be attached):**

**Security and Cryptology**

**Network Security Protocol**

**Network Security**

**Mobile Communication and Wireless Network**

**Security in Mobile Communication**

**Security in WLAN**

**Security in Bluetooth**

**Security in Wireless Ad hoc Networks**

1. **Teaching Schedule:**

|  |  |  |
| --- | --- | --- |
| Week | Course Content | Teaching Method |
| 1 | Security and Cryptology | Lecture |
| 2 | Security and Cryptology | Lecture |
| 3 | Network Security Protocol | Lecture |
| 4 | Network Security | Lecture |
| 5 | Network Security | Seminar |
| 6 | Network Security | Lecture |
| 7 | Mobile Communication and Wireless Network | Lecture |
| 8 | Mobile Communication and Wireless Network | Lecture |
| 9 | Mobile Communication and Wireless Network | Seminar |
| 10 | Security in Mobile Communication | Lecture |
| 11 | Security in Mobile Communication | Lecture |
| 12 | Security in Mobile Communication | Lecture |
| 13 | Security in WLAN | Lecture |
| 14 | Security in WLAN | Lecture |
| 15 | Security in WLAN | Lecture |
| 16 | Security in Bluetooth | Lecture |
| 17 | Security in Wireless Ad hoc Network | Lecture |
| 18 | Security in Wireless Ad hoc Network | Seminar |

Note: 1.Above one, two, and three items are used as teaching Syllabus in Chinese and announced on the Chinese website of Graduate School. The four and five items are preserved in Graduate School.

2. Course terms: Spring, Autumn , and Spring-Autumn term.

3. The teaching languages for courses: Chinese, English or Chinese-English.

4. Applicable range of discipline: public, first-class discipline, second-class discipline, and third-class discipline.

5. Practice includes: experiment, investigation, research report, etc.

6. Teaching methods: lecture, seminar, practice, etc.

7. Examination for degree courses must be in paper.

8. Teaching material websites are those which have already been announced.

9. Brief introduction of chief lecturer should include: personal information (date of birth, gender, degree achieved, professional title), research direction, teaching and research achievements. (within 100-500 words)

1. **Brief Introduction of Chief lecturer:**

Song Yubo, Associate Professor

1. **Lecturer Information (include chief lecturer)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Lecturer | Discipline(major) | OfficePhone Number | Email | Address | Postcode |
| Song Yubo | Information Security | 025-83795112 | songyubo@seu.edu.cn | Dept. of Radio Eng.Southeast Univ. Nanjing, China  | 210096 |