IST 411
Distributed-Object Computing
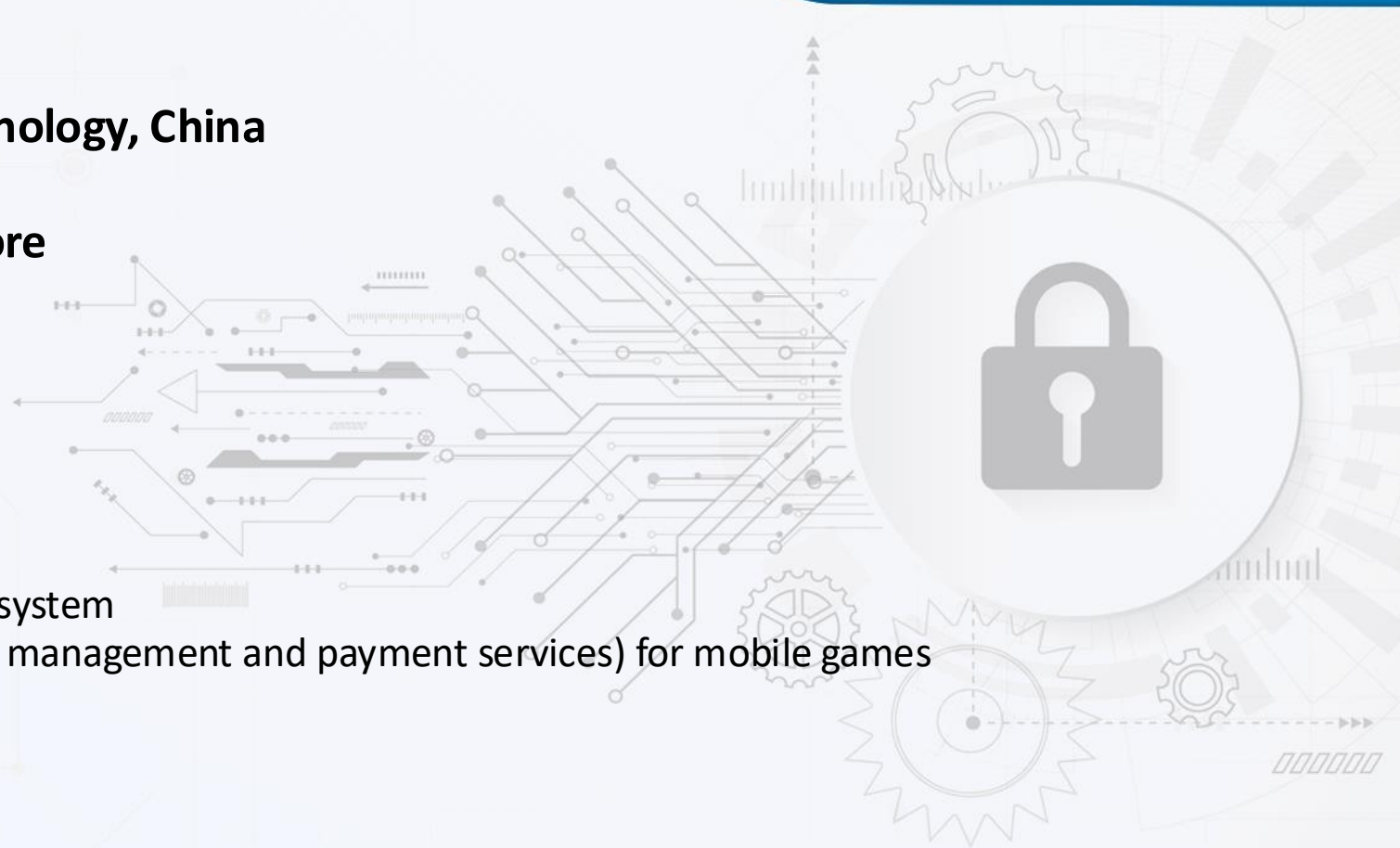
Dongyan Zhang

Instructor Background

Education

- **Huazhong University of Science and Technology, China**
  - Bachelor in Computer Science

- **National University of Singapore, Singapore**
  - Master in Computer Science

- **The Pennsylvania State University, USA**
  - Master in Computer Science and Engineering

Work Experience

- **Software Engineer & Tech Lead**
  - Development of the financial products trading system
  - Development of the backend systems (account management and payment services) for mobile games

- **Lecturer at Penn State IST**
  - Cybersecurity (Cyber 262, SRA 221, IST 454)
  - Application Development (IST 140, IST 411)

PennState
College of Information
Sciences and Technology

Assistants (LA, TA, IA)

The Learning Assistants play an important role in the course!

- Please treat them with respect.

- They are a great resource for help and guidance.

About the Course

- This course focuses on distributed web application – how to create a web application with a **client/server** architecture.

- Design and development of distributed system by using **JavaScript**.

- Create restful web application by jQuery/Angular/Node.js/Express/MongoDB

- *Some class sessions may be scheduled for Assignments/Projects.*
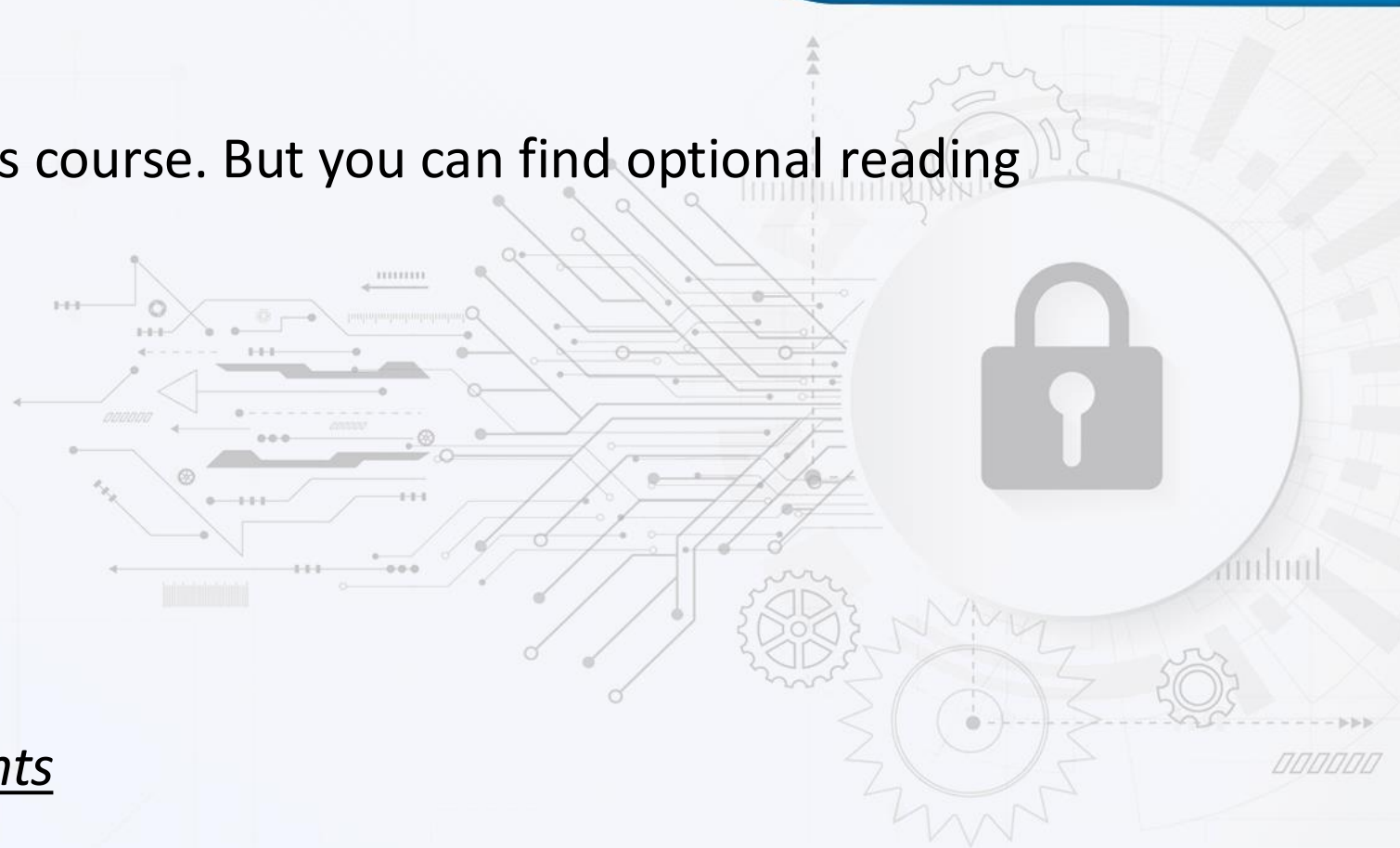
Requirements

Course Materials

- There is NO official textbook for this course. But you can find optional reading recommendations in Syllabus.

- **Free online** from the PSU Library.

Laptop

- A laptop is required for this class.

- See specifications in the Syllabus.

In the Syllabus: _Technical Requirements_

Learning Activities

- Quizzes   20%

- Solo Assignments   35%

- Group Project   35%

- Participation & Discussion 10%

- Extra Credit   1%
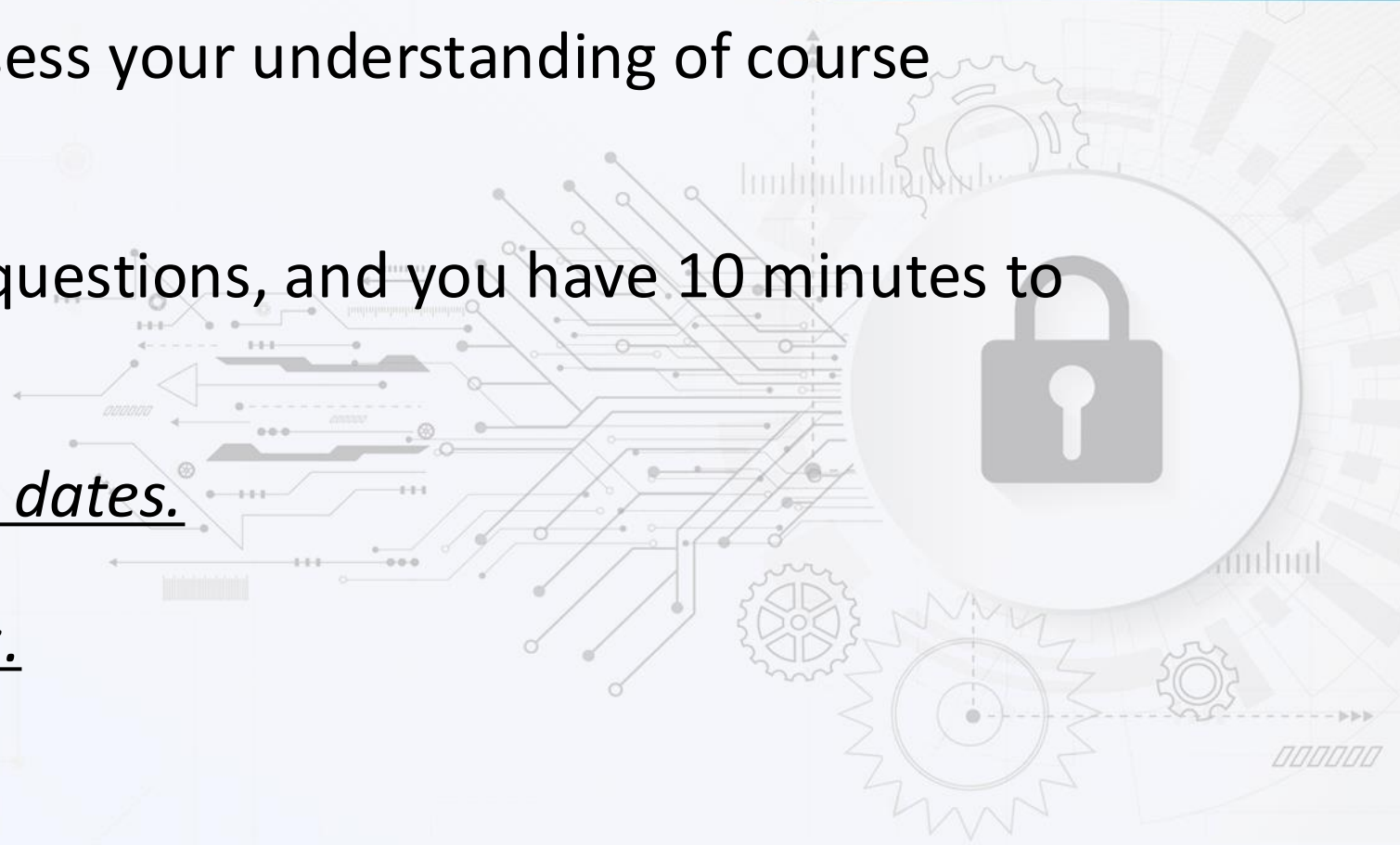
- Total: 101%

No Midterm or Final Exam in this course.

Quizzes (20%)

- Quizzes will be assigned to assess your understanding of course objectives.

- There are 10 multiple-choice questions, and you have 10 minutes to complete the quiz.

- *Must complete before the due dates.*

- *There are no drops for Quizzes.*

Solo Assignments (35%)

- Hands on exercises

- Programming work

- Every 1 week or 2 weeks

- *The lowest grade will be dropped.*

Group Project (35%)

- 2 to 3 members each group.

The following contents will be required for Group Project:

- Presentation

- Project Report

The grade for a group project will not necessarily be the same for each group member. Individual group grade adjustments will be made if members are not making adequate contributions, attending meetings or communicating their status.

Participation & Discussion (10%)

- Off-class Discussion Activities

- In-class Discussion Activities – You need a Passcode to open, and this is used to take attendance.
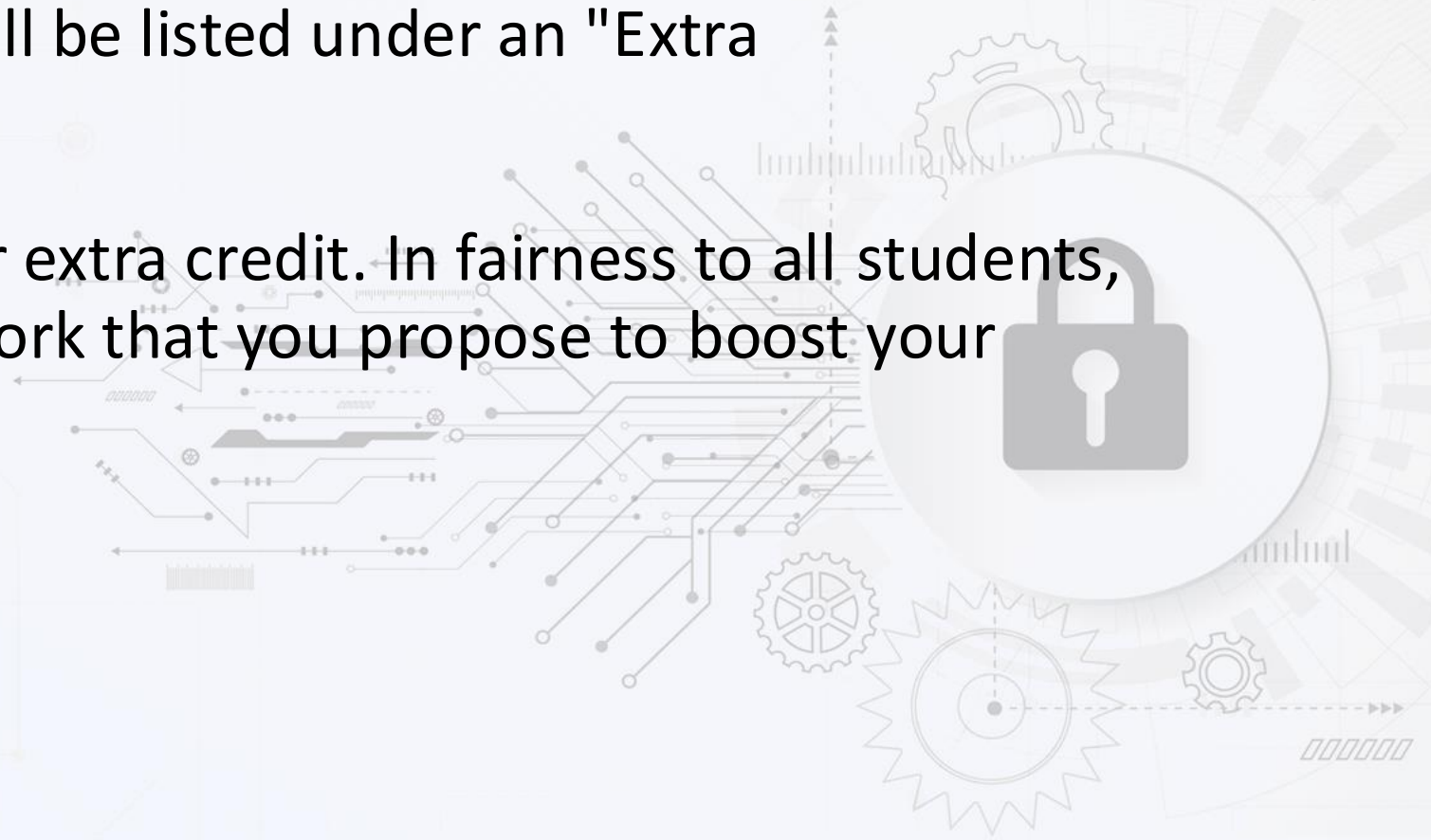
- *There are no drops for Discussions.*

Extra Credit (1%)

- If extra credit is available, it will be listed under an "Extra Credit" module in Canvas.

- This is the only mechanism for extra credit. In fairness to all students, I do not consider additional work that you propose to boost your grade at the end of semester.

Course Policies:

- **Attendance**: Attendance is required for this course. It is taken through _In-Class Discussions_.

- **Late Policy**: Late Submissions will result in a _10%_ deduction per day, automatically calculated by Canvas. They will not be accepted after _4_ days unless other arrangements are made with the instructor.

- **Rounding Up on Final Grades**: Round up within _.1_. No guarantee - consider your participation and overall performance.

Canvas & Syllabus

- We will leverage Canvas as much as possible.

- *All course-related email, including messages to the instructor, LAs should be sent within Canvas.*

- I will use the **Announcements** feature to broadcast important updates.

- *Things will change*, due dates, Syllabus, so please check Canvas.

Office Hours and Help

- Office hours provide a valuable opportunity for you to seek help and support. Check teaching team's Office Hours in Syllabus.

- Waiting until the assignment due date to raise technical issues and/or questions is not acceptable and will not automatically result a due date extension.

- Allow 24 hours for a response to your email and note that help could be limited after hours (5PM) and on weekends so plan your work accordingly.

Technical Support

- **Laptop or software**: The IST Helpdesk will be available to consult on software problems related to coursework and can loan you a laptop if you have a temporary problem. They can be reached at helpdesk@ist.psu.edu or (814) 863-8803. Also visit the IST Helpdesk website for more information.

Classroom Environment

Please act professionally in the classroom and adhere to the following rules. Failure to follow these rules will have consequences, including being marked absent for attendance.
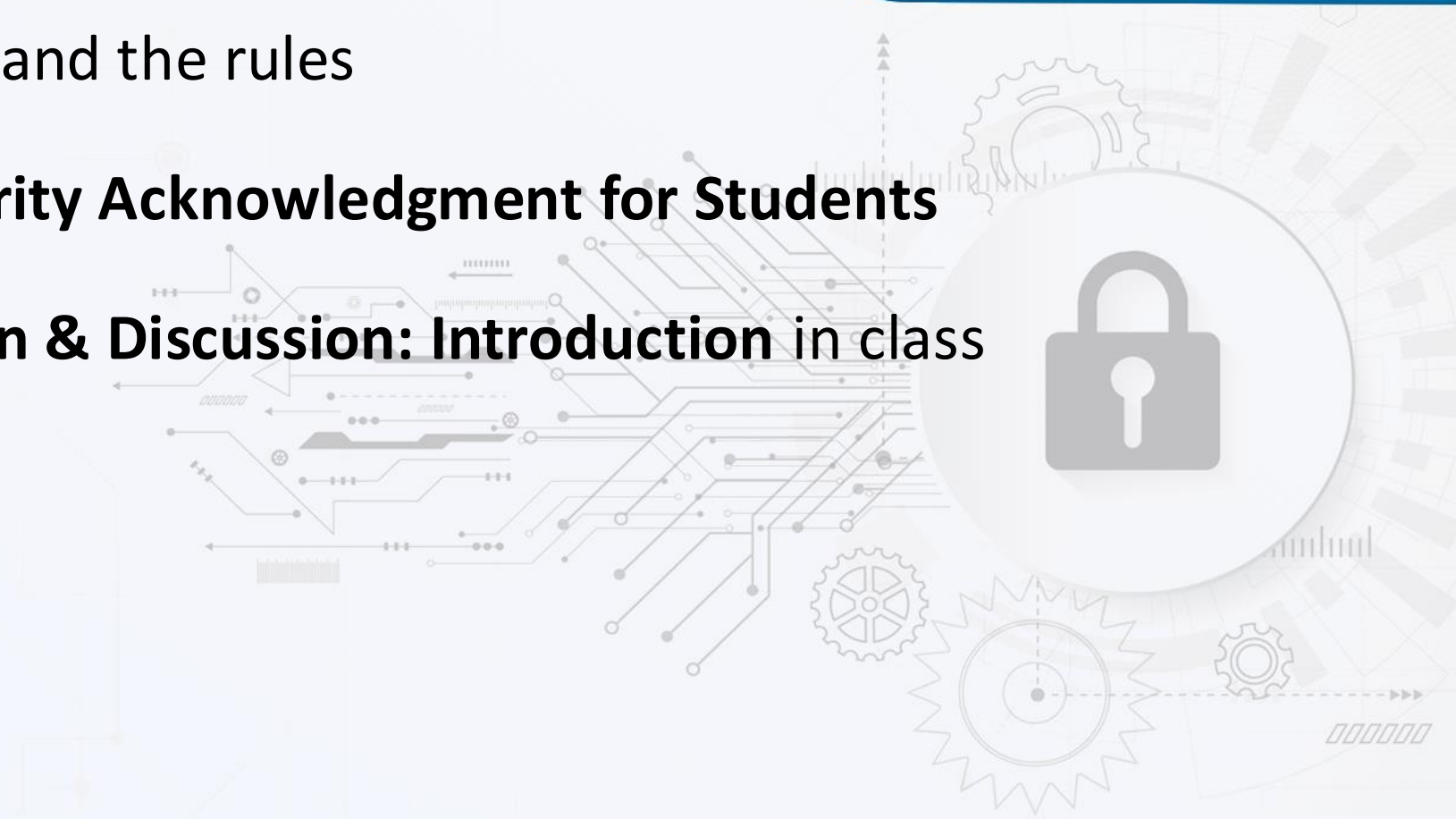
- No Headphones, earbuds etc. Only use phones if the instructor is doing an exercise that utilizes them.

- Refrain from watching videos during class time.

- Do not disturb other students.

Your Action Items

- Read the Syllabus, understand the rules

- Complete **Academic Integrity Acknowledgment for Students**

- Complete **L01 Participation & Discussion: Introduction** in class

Questions

Any questions??