

## **Code of Ethics**

### **IPRO 317 (Spring 2008)**

#### **Design and Build: *Chicago Scale Model for Dynamic Disaster Simulation***

#### **Overarching Standard**

Members of this IPRO 317 agree to act and perform for the betterment of safety of the City of Chicago as this IPRO is supported and is in association to the Chicago Fire Department. Engineers and architects will utilize their knowledge and skills in both the design and building of the model to create simulations that will be paramount in the city's strategy for public safety in cases of disaster.

As members of the professional community of engineers and architects, we all must fulfill our duties to best represent ourselves in a professional manner. These seven canons provide a foundation for the IPRO 317 Code of Ethics.

#### **Canon I - Moral Values**

Members are dedicated to the safety, health, and welfare of the general public in the performance of their individual duties.

***Pressure:*** Completion of assigned tasks and conveying of information for specific deadlines.

***Risk:*** Tasks and information cannot be given in a timely manner for the scheduled advancement of the model in design.

***Risk:*** Tasks and information will be rushed, incomplete, or incorrect.

#### **Canon II - Personal Relations**

Members are to perform their duties of being an active team member while holding responsibility for self-actions along with providing assistance to members in need of help, holding responsibility to the group as a whole in high regard.

***Pressure:*** Failing to facilitate and address the needs of the project in focus.

***Risk:*** Failure in reaching and being able to effectively work towards project goals.

***Risk:*** Failure as engineers or architects to provide the model with a sufficient and effective design and simulation/.

### **Canon III - Community**

Members are to recognize their roles within the group and provide contributions to the processes in which there is proper representation of the interests of the City of Chicago, Chicago Fire Department, and the general public.

**Pressure:** From the Chicago Fire Department to create an effective and beautiful model while attempting to maintain a low and reasonable budget.

**Pressure:** From the City of Chicago to understand the city's dynamics and operations in attempt to portray solutions to disaster scenarios.

**Risk:** Inadequacy of the city scale model in terms of visual representation of building proportions and in playing out scenarios.

**Risk:** Information and simulation on the model of proper and logical strategies for disaster scenarios.

### **Canon IV - Business and Industry Environment**

Members are to conduct themselves as professionals of engineering and architecture in the sense that they remember they are representatives of the Illinois Institute of Technology.

**Pressure:** Forgetting to act accordingly when speaking with organizations and individuals not associated with the course or university.

**Risk:** Acting as an ordinary student rather than a professional in pursuit of knowledge or in constructing a genuine work for real-life examination and use.

**Risk:** Having senior members acting as a model or leader that promotes the achieving of the goal through means that are not ethical in following laws or codes.

### **Canon V - Professional Codes**

Members are to uphold the standards of professionalism and keeping safety paramount, all while conducting themselves accordingly depending on the codes of their own field of professional practice.

**Pressure:** Failure to complete the necessary tasks as individual tasks may be in conflict with group deliverables because of competing course work or other activities.

**Risk:** Losing focus and mindset of professionalism which is the setting of this project.

**Risk:** Cutting corners and omitting processes since time may become constrained, resulting in possibilities of incorrect code practice or an incorrect model with simulations that prove to deter from the betterment of public safety and its strategies to facilitate that need.

## **Canon VI - Contracts**

Members are prohibited from engaging in contracts that threaten the intentions and goals of the design and construction of the city model while respecting the rights and privacy of the group and project.

***Pressure:*** Progression of activities and further advancement of the project's research, design, and construction.

***Risk:*** Promising to perform a task that is not possible for a team member to uphold.

***Risk:*** Inability to follow through with project deliverables.

## **Canon VII - Law and Regulation**

Members must uphold the laws and regulations as it is their professional and individual responsibility to adhere to applicable codes and rules pertaining to their specific area of professional practice.

***Pressure:*** Initial proposal of design and scenario simulation will be assessed by the city organizations and might deem in necessary to dictate certain additional requirements or modifications to existing.

***Risk:*** Failure to properly follow codes and standards may result in an unsafe design of the project.

***Risk:*** Failure to properly follow codes and standards may result in exceeding the budget, falling behind schedule, or inaccurate scope of construction.