



FORCE SCIENCE® INSTITUTE Ltd

www.forcescience.org

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## ***2017 Force Science Certification Courses***

January 23-27, 2017: Scottsdale, Arizona: ***Completed***

February 20-24, 2017: Austin, Texas: ***Completed***

March 13-17, 2017: *Force Science Training Center*, Chicago: ***Completed***

April 10-14, 2017: Las Vegas, Nevada: ***Completed***

May 8-12, 2017: *Force Science Training Center*, Chicago: ***Completed***

### **JUNE 5-9, 2017**

Aurora, Colorado

Host: Aurora Police Department

### **SEPTEMBER 11-15, 2017**

*Force Science Training Center*

Chicago (Des Plaines), IL

### **SEPTEMBER 25-29, 2017**

Rochester, New York

Host: Rochester Police Locust Club

### **OCTOBER 16-20, 2017**

Columbia, South Carolina

Host: South Carolina Law Enforcement Division

### **NOVEMBER 13-17, 2017**

Henderson, Nevada

Host: Henderson Police Department

### **DECEMBER 11-15, 2017**

Orlando, Florida

Host: Valencia College Criminal Justice Institute

For a **PRINTER FRIENDLY VERSION** of the 2017 schedule please

visit: **[www.forcescience.org/certification.pdf](http://www.forcescience.org/certification.pdf)**

**HOTEL INFO:** For hotel recommendations and exact training site locations please e-mail:  
[training@forcescience.org](mailto:training@forcescience.org)

### **-- HOW TO REGISTER**

**Tuition:** \$1,500 per student

### **Methods of payments:**

- VISA and MasterCard are accepted and strongly preferred.

- In some instances a departmental check may be accepted but checks must be issued immediately after receipt of invoice. Please request information on check payments if this is the only possible form of payment.

**To register, please e-mail the following information to:**

**TRAINING@FORCESCIENCE.ORG**

Location of the class you are interested in attending

Name

Rank/Title

Agency/Organization

Agency address

Phone number(s), including cell

E-mail address(es)

**You may also register by PHONE or have questions answered by calling: (312) 690-6212 ext. 2**

You will receive an e-mailed confirmation of the acceptance of your registration along with a receipt for any credit card transaction promptly.

#### **-- INFORMATION ON *FORCE SCIENCE CERTIFICATION***

As with all prior certification classes, the program will be conducted exclusively by the Force Science Institute's impressive team of renowned experts on a wide variety of crucial dynamics that impact the understanding of force encounters and will lead to a new certification for investigators of force-related incidents.

Through the groundbreaking work of **Dr. Bill Lewinski** and the *Force Science Institute's* team, you'll learn:

- **How to analyze vital elements of controversial uses of force that are often overlooked.**
- **Skills to help determine whether an officer is being honest when he *swears* his recollection of an incident is true...even though his account directly conflicts with forensic evidence.**
- **Techniques for helping officers accurately & thoroughly recall details of force encounters.**
- **Why a site visit and/or video review may or may not be advisable before a statement.**
- **Whether shots to the back *really* reflect what an officer saw when he pulled the trigger.**
- **How to avoid critical mistakes some investigators make during post-incident interviews.**

- **The truth about time: How long it *really* takes officers to start—and stop—shooting.**
- **What ready position is *really* best for reducing lag time...and much more!**

Attendees who successfully complete the program will be certified in "Force Science Analysis." This designation attests that the holder has been trained to recognize and articulate important psychological, biological, and physiological factors that can influence human behavior and memory in force encounters and pursuit situations.

The training will be based on solidly documented findings about human dynamics by the Institute's *Force Science Research Center* and other world-acclaimed research sources that are commonly misunderstood or ignored in law enforcement investigations, according to Dr. Bill Lewinski, coordinator of the new program and executive director of the Force Science Institute.

"There's a tremendous need for the application of human science in force investigations," he says. "Without it, controversial officer-involved shootings and other uses of force--even pursuits, which also involve split-second decision-making in highly stressful, rapidly evolving circumstances--can easily be misjudged, with devastating consequences.

"In some cases officers have gone to prison and agencies have suffered crushing losses in civil suits because the factors in how humans perform under stress were not properly assessed by uninformed investigators."

Like persons trained in accident reconstruction, blood-spatter analysis, and other science-based disciplines, investigators certified in Force Science Analysis will be able to apply their grasp of human dynamics to interpret how and why a force confrontation evolved as it did, Lewinski said. They will also know how to "best mine the memories of those involved for relevant recollections." This information can be vital to authorities who ultimately must judge the encounter, such as administrators, I.A. chiefs, review board members, prosecutors, judges, and jurors.

Among other things, the backgrounds of the instructors will include world-class expertise in:

- **how the brain and body work together to form psychomotor skills;**
- **the latest cognitive interviewing techniques for law enforcement;**
- **officer and suspect behaviors in deadly assaults on LEOs;**
- **motor performance, visual attention, and memory;**
- **how stress and trauma affect memory;**
- **the effect of low-light levels on perception;**
- **contextual cues;**
- **the dynamics of action and reaction in force encounters;**

- **decision-making variables during pursuits;**
- **judgment and psycho-physiological responses under extreme stress.**

Most of the faculty are medical doctors or hold PhDs in specialized disciplines of psychology and some have authored the leading textbooks in their fields. A few have worked closely with law enforcement and/or the military in the past, but "some will be adapting their findings on human behavior to a law enforcement context for the first time," Lewinski said.

As course coordinator, as well as a presenter himself, it will be his job, he said, to assure that "all information is conveyed in terms that are understandable and have practical application for the attendees seeking certification." Question-and-answer opportunities will supplement the formal instruction.

### **About the *Force Science Certification Course Program***

#### **Daily Instruction**

Each day the course will consist of sessions in which the instructors will identify and explain in detail certain physical and psychological phenomena associated with human behavior and demonstrate how these can impact performance under stress.

"These are things like reaction times, perceptual distortions, narrowed vision, language limitations, and memory gaps--factors that investigators need to be aware of and fully understand, especially in controversial or puzzling cases," Lewinski said. "They also need to be able to articulate in reports and testimony how these factors may have influenced an event, to give as complete a picture as possible of what happened. And they need to understand how the traumatized brain functions so they can adapt their interviewing techniques to recover a maximum amount of valid material from the participants."

What the students will come to understand during these initial days, Lewinski said, is "a protocol for investigating and interviewing that will best assure a fair, balanced, impartial, and comprehensive explanation of the encounter in question.

"It is not an investigator's job to determine if an officer's behavior, let's say, was right or wrong in a use-of-force situation. But it is the investigator's job to clearly and objectively present all the potentially relevant facts to the person or person responsible for that decision.

"Without this training, it is highly likely that pivotal truths related to human performance will be misinterpreted or missed entirely in high-profile cases where the stakes are life-changing."

Day four will include a written examination prior to lunch.

#### **Group Participation**

An important part of the *Force Science Certification* process is interactive participation with students. At registration, class participants will receive a large course binder that in addition to

materials related to each block of instruction, will include detailed evidentiary information related to an actual officer-involved shooting case students will “investigate.”

Each night immediately following class, Dr. Lewinski will facilitate an intensive group discussion exercise in the classroom with the entire student body centered on applying the information taught each day to that case. Dr. Lewinski will pose compelling questions related to the case in a Socratic, “guided discovery” fashion designed to help students tap into their newly acquired knowledge and apply it in a practical, real-world fashion likely to be mirrored in their own professional activities. This exercise will also allow Dr. Lewinski, and potentially other members of the teaching staff, to further elaborate on a number of the topics covered that day in class.

"This will be a highly interactive experience and will allow the trainees to make practical applications of what they've learned, just as they would in a real investigative setting," Lewinski said. "They will need to be open-minded and unbiased in their approach. The point will not be to advocate but to inform a decision-maker of the dynamic elements that need to be understood and considered."

**For more information on the Force Science Certification Course please e-mail: [training@forcescience.org](mailto:training@forcescience.org) or call (312) 690-6212 ext. 2**