

INSPECTION SUPPORT SERVICES INC

SYLLABUS: ISS-PD302 – Build & Renovate to Avoid Mold

INSTRUCTIONAL GOALS

This one-day workshop is intended for the builder, renovator, architect, health or housing inspector, appraiser and other housing professionals. Case studies of mold in new and older houses are presented followed by fundamentals of mold to enable one to understand why mold grows and how to avoid mold problems. 'The House as a System' is important to identify and solve the causes of mold. This workshop highlights construction details that work and don't work; with a section on mechanical systems to including different types of ventilation systems, heat/energy recovery ventilators and filtration systems. This workshop is not intended to turn you into IAQ experts.

The objective is to improve the participants understanding of mold and other indoor air pollutants. Those interested in specializing should inquire about the ISS Residential IAQ Investigator Training Program.

LEARNING OUTCOMES

Learning outcomes are clear statements of the critical/essential knowledge, skills and attitudes that a student is required to demonstrate to indicate successful completion of this course. Upon successfully completing the course the student will be able to:

- identify conditions that allow molds to grow
- explain how to prevent and treat mold
- understand the concept of the “House as a System”
- understand how to build or renovate homes to avoid mold
- state the role of ventilation and filtration
- understand how other IAQ contaminants can be dealt with
- indicate where to get professional help when needed

COURSE CONTENT

- Background on IAQ issues
- Research study findings
- Mold Problems in New & Old Houses
- Understanding Mold & The House as a System
- Building & Renovating to Avoid Mold
- How Mechanical Equipment Affects IAQ
- Other IAQ Contaminants

NEEDS AND RESOURCES

Required Background

After completing this one-day workshop, participants will have a better understanding of the different types of pollutants found in the home and their health effects, together with the solutions for typical problems. This session has been designed to allow participants to improve their understanding of indoor air quality, to recognize when there may be a problem, to address potential sources of these problems, and to take the necessary steps to prevent future problems and/or where to go for additional professional help.

Required Materials

- Course notes

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Online Resources

- Referenced technical papers specified in the course

COURSE SCHEDULE

This is normally delivered as a one-day workshop on how to maintain healthy indoor air quality in a home. This may also be completed as an 8 hour online self-study course.

POLICIES AND PROCEDURES

General Rules:

It is expected that all work must be performed by the individual student. Any student having an academic concern or questioning an academic decision should first discuss the matter directly with their course instructor; if the issue is not resolved then with the ISS Program Coordinator. The ISS Program Coordinator's decision is final. Further information may be found on the Inspection Support Services webpage under Training and a link to ISS Education Policy.

Grading:

Grading does not apply to this course.

ADDITIONAL INFORMATION

The information contained in this training program represents what is considered to be the most current and the best understanding of the subject at the time of the delivery of the program. Nevertheless, it is to be expected that new research may supersede some aspects of our current understanding. Neither ISS, nor the consultants can be held responsible for the costs or consequences of any claims or actions in contract or in negligence arising from applying any of the information.

This program has endeavoured to take every reasonable step to inform the trainees of the risks associated with exposure to indoor air pollutants in the process of evaluating residences. Recommendations have been made to minimize the risks. But neither ISS, nor the trainers will be responsible for any health condition experienced by the investigator that may be associated with exposure to dwellings visited by the investigator in his/her application of the information from this training program. The investigator shall assume full responsibility for any health risks attendant to himself/herself related to investigating houses.

Neither ISS nor the trainers will be held responsible for the consequences (financial costs, property damage, health risks, etc.) suffered by the occupants of dwellings that were evaluated by the investigator as a result of actions based on the recommendations of the investigator.

While every effort is made by the instructor to cover all content material listed in this outline, the order, **content and/or evaluation may change as a result of special circumstances (e.g. technology/equipment problems and/or changes, etc)**. In any such case, every effort will be made to make appropriate adjustments to the course delivery.

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