



Cannabis Hub

2023 Non-Vocational Course Catalog

6599 Grainger Road
Independence, OH 44131
(216) 465-4161

October 2023 V1.0

www.cannahubedu.com

Disclaimer

The information presented in the Cannabis Hub Academic Catalog is provided for general informational purposes only and is subject to change. While every effort has been made to ensure the accuracy and currency of the information contained within this catalog, the institution reserves the right to make changes, revisions, or updates at any time, with or without notice. Students, faculty, and staff are encouraged to consult official institution sources and authoritative resources for the most up-to-date and accurate information regarding programs, courses, policies, fees, and other matters. The institution disclaims any liability for errors, omissions, or changes to the information presented in this catalog and shall not be held responsible for any consequences arising from reliance on the content herein.

School Information

Welcome

Mission

The mission and goals of the Cannabis Hub Learning Management System (LMS) are centered around providing a comprehensive and accessible platform for cannabis industry education and compliance. Our mission is to facilitate the development, dissemination, and effective implementation of cannabis education ensuring that all stakeholders, from growers and manufacturers to regulators and educators, have access to standardized and up-to-date procedures. Our goals include promoting safety, quality, and regulatory adherence within the cannabis industry, empowering learners with the knowledge and skills to navigate complex compliance requirements, and fostering a culture of continuous improvement and best practices. Through our LMS, we aim to enhance the overall integrity and professionalism of the cannabis sector while contributing to its responsible and sustainable growth.

History

The Cleveland School of Cannabis (CSC) started in 2017 in Independence, Ohio, with its Medical Cannabis Comprehensive course to spread a basic understanding of the medical cannabis industry. CCS received state approval from the Ohio State Board of Career Colleges and Schools and began offering state approved courses as one of the first institutions in Ohio in Cannabis Education in Dispensary Operations, Cannabis Cultivation, and Medical Applications of Cannabis in the Fall of 2017. In March of 2021, the Cannabishub was created in partnership with the Cleveland School of Cannabis and started accepting applications. Since its inception, Cannabishub and Cleveland School of Cannabis have successfully retained quality faculty in the cannabis and associated industries from all over the United States.

Ownership

The Cannabis Hub is 100% owned and operated by CCC Training, LLC, with principal offices located at 385 Halle Dr., Euclid, OH 44132

The owners of CCC Training, LLC are Austin Briggs (CFO), Tyrone Russell (President, Designated Certificate Program Authority), Kevin Greene (VP of Recruitment and Public Relations)

Location

CannabisHub

6599 Grainger Road
Independence, OH 44131
(216) 465-4161

Contact Information

- Admissions Office: www.cannahubedu.com
(216) 465-4161 lisazwerner@csceducation.com
- Student Services: info@cannahubedu.com
(216) 465-4161 lisazwerner@csceducation.com
- Technical Support: info@cannahubedu.com or a "support" button that goes directly to our IT support team.

Advisory Board



Tyrone Russell,
President CSC



Austin Briggs, CFO,
Campus Director CSC



Kevin Greene, VP
Recruitment/
Marketing CSC



Lisa Zwirner, Director,
Cannabis Hub



Academic Information And Policies

HOURS OF OPERATION

Cannabis Hub is an asynchronous educational website that is available 24/7. Office hours are Monday through Friday from 9 am to 4 pm.

Academic And Program Information

PROGRAM AND SPECIALIZED POLICY INFORMATION FOR ONLINE STUDENTS

Students enrolling in online programs complete their training 100% online.

Students enrolled in online or asynchronous courses complete their training via the online portal EdLumina. Within EdLuminai, students will complete assessments and activities using email, blogs, bonus material, and online lessons

Technical Requirements

To successfully complete an online program, a student must, at a minimum, have consistent access to high-speed Internet. It is highly recommended that students have their own computer equipped with the necessary technical specifications, as listed in the following table.

Potential students who need assistance with the technical specifications of the online or asynchronous program are directed to seek guidance from Cannabishub staff INFO@CANNAHUBEDU.COM or (CONTACT US LINK) or (216) 465-4161 during the Admissions process.

Technical Specifications	
Internet Connection	High-Speed Internet <ul style="list-style-type: none"> Broadband (cable or DSL) 10 Mbps minimum, 20 Mbps recommended; or a mobile device with a minimum data connection (3G, 4G, or LTE)
Hardware	Any computer/laptop with these minimum recommended specifications: <ul style="list-style-type: none"> Processor: Intel i3 or AMD A8 Memory: 8GB or higher Storage: 64GB minimum with at least 20% free space Must be WiFi capable Minimum screen resolution of 1280 x 1024 pixels Internal Computer microphone and speakers or Phone Access
Operating System	PC: Microsoft Windows 8.1 or higher (Windows 10 preferred) Mac: Apple OS X v10.11 (El Capitan) or higher.
Software	PDF Reader (Adobe recommended) Microsoft Office or similar suite of applications (ex: Google Docs, Open Office.org) Recommended: <ul style="list-style-type: none"> Antivirus software Personal firewall
Browser	Current versions of Chrome, Firefox and/or Safari, Chrome is preferred
Email Capabilities	Online students must have an active email address to be used for school purposes



ADMISSIONS REQUIREMENTS

To be admitted to the Cannabishub, applicants must complete the online enrollment process.

ADMISSIONS PROCEDURE & REQUISITES

Applicants interested in attending the Cannabishub should apply online and make fee payment. Course curriculum will be provided to the applicant upon completion of the form and payment completion.

Prior to enrollment all applicants must complete and/or provide:

- Online Enrollment Application;
- Payment of registration fee;

Accommodations

The Cannabishub offers reasonable accommodations to students with disabilities under the Americans with Disabilities Act ("ADA"). All student ADA requests are voluntary. A student is not required to disclose a disability or to request reasonable accommodations, however, the student must initiate the process. A student requesting an accommodation for a disability must contact the Director of Education at their campus and complete the "**Student ADA Request Form**." The student should submit supporting documentation (such as an IEP, letter from a medical professional, etc.) demonstrating the disability and/or past accommodations for that condition. The institution's ADA Committee will review each student's request individually and will notify the student of their decision. To ensure that accommodations are provided timely, the Cannabishub encourages students to submit all ADA requests and supporting documentation immediately after enrollment and before the first day of classes. Information pertaining to the Americans with Disabilities Act and associated accommodation requests is kept confidential.



Non-Discrimination Policy



Cannabishub embraces the requirements of federal, state, and local laws and does not discriminate, or tolerate harassment, on the basis of race, color, ethnicity, national origin, religion, creed, gender, sexual orientation, gender expression, age, physical or mental ability, veteran status, military obligations, marital status, parental status, pregnancy, family medical history, genetic information, political affiliation or any other protected category in the recruitment, selection, and subsequent treatment of students and/or employees. In accordance with Section 504, Rehabilitation Act of 1973 (P.L. 93-112), interested persons can obtain information with respect to the existence of the location of services, activities, and facilities that are accessible to and usable at Cannabishub by physically challenged persons by contacting the Campus Directors.

- **Accessibility Standards:** This includes providing alternative formats for content, keyboard navigation, and accommodating screen readers.
- **Universal Design for Learning (UDL):** Cannabis Hub provides multiple means of representation, engagement, and expression to cater to diverse learning styles and abilities.
- **Multimodal Content:** Cannabis Hub offers content in multiple formats (text, audio, video) to accommodate different learning preferences and disabilities. We ensure transcripts and captions for multimedia content.
- **Clear Navigation:** The Cannabis Hub/EdLumina LMS interface is intuitive and straightforward to navigate.
- **Customization Options:** Cannabis Hub will allow students to customize their learning experience. We provide options for font size, contrast, color schemes, and other settings to suit individual needs.
- **Accessible Assessments:** Cannabis Hub assessments and quizzes are accessible to all students enrolled in a course. The Hub offers extended time or alternative formats for students with disabilities by contacting the system administrator.. (See Accommodations Policy)
- **Collaboration Tools:** Cannabis Hub offers collaborative tools that are accessible and usable for all students. Key Words, Bonus Material and Matching Games to enhance the student experience, which are available with each module.
- **Support for Assistive Technologies:** Cannabis Hub ensures the compatibility with assistive technologies
- **Feedback Mechanism:** Cannabis Hub provides a Contact Link for students to report accessibility issues or request accommodations, as well as a Survey to complete at the end of the course for course content and instructor capabilities. The Administrator will respond promptly and make necessary improvements.
- **Mobile Compatibility:** - Mobile Learning: The Cannabis Hub/EdLumina LMS system is accessible on various devices, including smartphones and tablets, to support on-the-go learning.



Academic Honesty And Integrity Policy

The Academic Honesty and Integrity Policy for Cannabis Hub/EdLumina LMS is designed to uphold the highest standards of academic integrity. It requires all students to submit original work, cite sources properly, and avoid plagiarism or any form of cheating. It emphasizes the importance of independent learning and ethical behavior in the online education environment. The policy outlines the consequences of academic dishonesty, which may include failing grades, course expulsion, or further disciplinary actions. To support this policy, students are encouraged to seek clarification on citation and academic standards and utilize available resources for improving their research and writing skills. By adhering to these principles, we aim to maintain the integrity of our educational offerings and foster an environment of trust, honesty, and intellectual growth within our asynchronous learning management system.

Consequences of Academic Dishonesty

- 01** **Warning**
A first offense of academic dishonesty may result in a formal warning issued to the student, notifying them of the violation and emphasizing the importance of academic integrity.
- 02** **Academic Penalty**
Students may receive an academic penalty for academic dishonesty, which could include a reduced grade on the assignment or exam in question.
- 03** **Course Failure**
Repeated or severe instances of academic dishonesty may lead to failure in the course where the violation occurred, reflecting a more serious consequence for the student.
- 04** **Expulsion from Course**
In certain cases, particularly if academic dishonesty is pervasive or severe, the student may be expelled from the specific course without refund.
- 05** **Academic Probation**
Students repeatedly found in violation of academic honesty policies may be placed on academic probation, which can impact their enrollment status and eligibility for financial aid.
- 06** **Transcript Notation**
The transcript may include a notation indicating academic dishonesty, which can have long-term implications for academic and career opportunities.
- 07** **Course Withdrawal**
In cases of severe or repeated violations, students may be withdrawn from the entire course or program, resulting in a loss of tuition and academic progress.
- 08** **Loss of Access**
Access to the LMS and course materials may be restricted or revoked for individuals found guilty of academic dishonesty.
- 09** **Referral for Disciplinary Action**
In extreme cases or when violations involve ethical or legal breaches, the matter may be referred to the institution's disciplinary authorities or even law enforcement.
- 10** **Educational Remediation**
In some cases, students may be required to complete educational remediation activities related to academic integrity, such as an ethics course.

Student Privacy Policy/FERPA

(20 U.S.C. § 1232g; 34 CFR Part 99) is a Federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education.

FERPA gives parents certain rights with respect to their children's education records. These rights transfer to the student when he or she reaches the age of 18 or attends a school beyond the high school level. Students to whom the rights have transferred are "eligible students."

Parents or eligible students have the right to inspect and review the student's education records maintained by the school. Schools are not required to provide copies of records unless, for reasons such as great distance, it is impossible for parents or eligible students to review the records. Schools may charge a fee for copies.

Parents or eligible students have the right to request that a school correct records which they believe to be inaccurate or misleading. If the school decides not to amend the record, the parent or eligible student then has the right to a formal hearing. After the hearing, if the school still decides not to amend the record, the parent or eligible student has the right to place a statement with the record setting forth his or her view about the contested information.

Generally, schools must have written permission from the parent or eligible student in order to release any information from a student's education record. However, FERPA allows schools to disclose those records, without consent, to the following parties or under the following conditions (34 CFR § 99.31):

- o School officials with legitimate educational interest;
- o Other schools to which a student is transferring;
- o Specified officials for audit or evaluation purposes;

- o Appropriate parties in connection with financial aid to a student;
- o Organizations conducting certain studies for or on behalf of the school;
- o Accrediting organizations;
- o To comply with a judicial order or lawfully issued subpoena;
- o Appropriate officials in cases of health and safety emergencies; and
- o State and local authorities, within a juvenile justice system, pursuant to specific State law.

Schools may disclose, without consent, "directory" information such as a student's name, address, telephone number, date and place of birth, honors and awards, and dates of attendance. However, schools must tell parents and eligible students about directory information and allow parents and eligible students a reasonable amount of time to request that the school not disclose directory information about them. Schools must notify parents and eligible students annually of their rights under FERPA. The actual means of notification (special letter, inclusion in a PTA bulletin, student handbook, or newspaper article) is left to the discretion of each school.

For additional information, you may call 1-800-USA-LEARN (1-800-872-5327) (voice). Individuals who use TDD may use the [Federal Relay Service](#). Or you may contact us at the following address:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, D.C. 20202-8520

Student Log-In

Go to your Cannabis Hub **cannabishub.edluminare.com** website with the login information provided by the Director.

Once the Cannabis Hub URL has loaded, the user will be prompted to sign in with their credentials (Email Address and Password). The Cannabis Hub name & logo should be present on this page. .

Enter your **username** and **password** into the corresponding boxes and click the blue **LOGIN** button.



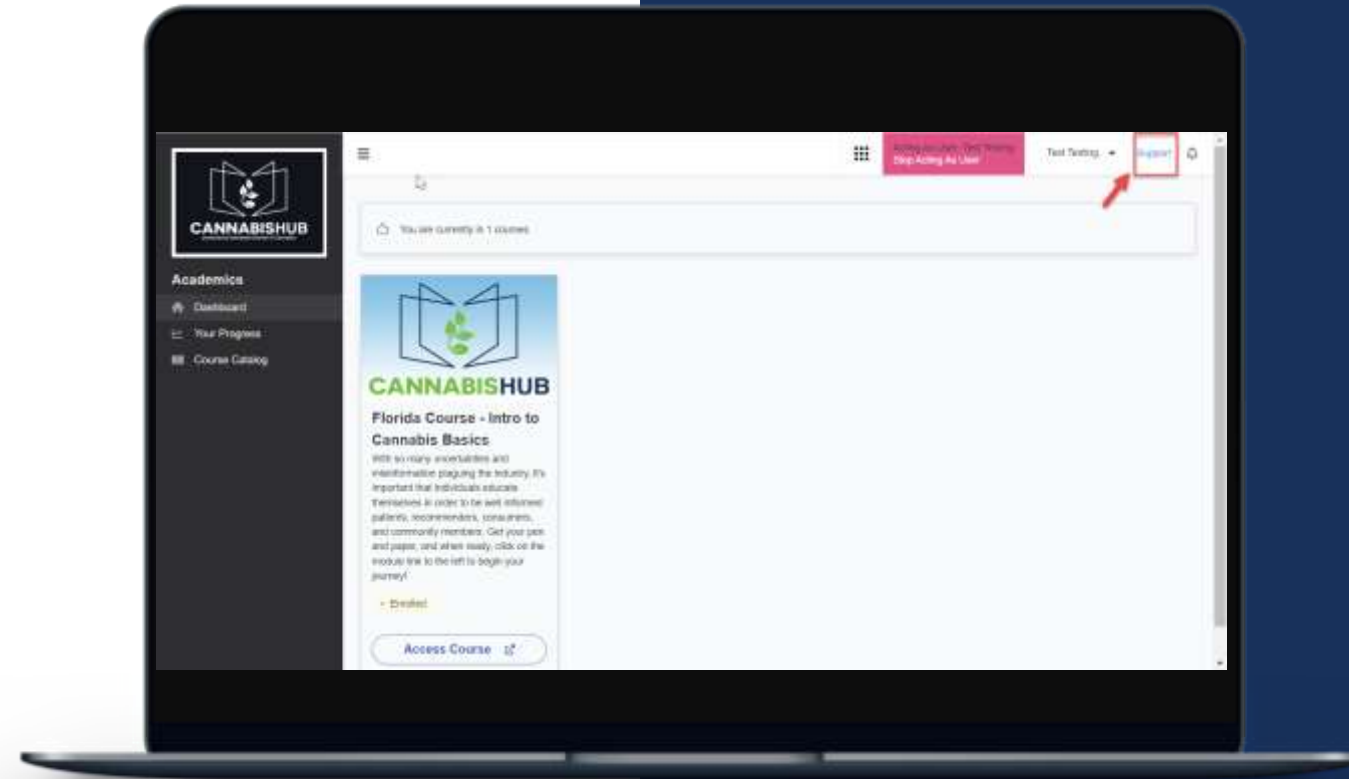
Recover Lost Password

If you cannot remember your password click the blue **Recover lost password** link. Next, enter the email address for your account. An email will be sent to you and you will be able to make a new password. Use this new password to log in with.



Technical Support

- Through the Cannabis Hub's "Contact Us Message Page," at www.cannahubedu.com students can report IT issues for assistance and guidance. This web page serves as a centralized hub for students. Students can submit inquiries or requests for support through the Contact Us Message Page. A user-friendly form collects essential information such as the student's name, email address, and the nature of their request on the page. Messages are routed to the appropriate support team, ensuring a prompt response and efficient resolution of student inquiries. As a result of this streamlined approach, students will have an easier time accessing the support services they need to succeed.
- **Support and Training: - Help Desk:** On each student's Cannabis Hub/EDLumina LMS account they have a "support" button that will open up an email tab that goes directly to our IT support team.



Student Conduct

Student Conduct Authority

The Hub Director is designated by the President to be responsible for the oversight and administration of the Cannabis Hub Student Code of Conduct, to include determination and definition of all policies and statements within the Code.

Prescribed Conduct

Cannabishub' administration reserves the right to terminate a student on any of the following grounds:

1

Attendance and Engagement:

- Regularly access the course materials and actively engage with the content as outlined in the course schedule or syllabus.
- Participate in online discussions, assignments, and activities to contribute to a vibrant learning community.

2

Academic Integrity:

- Submit original work, cite sources properly, and adhere to the principles of academic honesty and integrity.
- Refrain from plagiarism, cheating, or any form of dishonesty in coursework.

3

Communication:

- Maintain open and respectful communication with instructors, peers, and support staff.
- Use the provided communication channels (e.g., email, help-desk support button) for course-related inquiries.

4

Timeliness:

- Adhere to assignment due dates and timelines as specified in the course materials.
- Notify Hub Director in advance if circumstances prevent timely submissions.

5

Technology Requirements:

- Ensure access to the necessary technology, including a reliable internet connection and compatible devices, to participate effectively in the course.

Student Conduct

Student Conduct Authority

The Hub Director is designated by the President to be responsible for the oversight and administration of the Cannabis Hub Student Code of Conduct, to include determination and definition of all policies and statements within the Code.

Prescribed Conduct

Cannabishub' administration reserves the right to terminate a student on any of the following grounds:

6

Respect for Diversity:

- Show respect and tolerance for diverse perspectives, backgrounds, and opinions within the online learning community.

7

Netiquette:

- Follow online etiquette (netiquette) guidelines, including using polite and respectful language in discussions and communications.

8

Privacy and Data Security:

- Protect your personal information and respect the privacy of others when participating in online discussions or sharing content.

9

Resource Utilization:

- Make use of available resources, including academic support services and learning materials, to enhance your understanding of course content.

10

Accessibility:

- Be mindful of accessibility considerations and ensure that course materials are accessible to all students, including those with disabilities.

Student Conduct

Student Conduct Authority

The Hub Director is designated by the President to be responsible for the oversight and administration of the Cannabis Hub Student Code of Conduct, to include determination and definition of all policies and statements within the Code.

Prescribed Conduct

Cannabishub' administration reserves the right to terminate a student on any of the following grounds:

11

Professionalism:

- Maintain a professional demeanor when interacting with peers, adhering to any industry-specific codes of conduct.

12

Technical Issues:

- Report technical issues promptly to the technical support team and seek assistance when needed to ensure uninterrupted course access.

13

Attendance Policy:

- Comply with any specific attendance or participation policies outlined in the course syllabus.

14

Feedback and Improvement:

- Provide constructive feedback on the course content and learning experience, contributing to ongoing improvement efforts.

15

Adherence to Policies:

- Familiarize yourself with and adhere to all institutional policies and regulations, including those related to academic honesty and behavior.

Conduct Violation Procedures

1. Preliminary Inquiry

When an incident occurs, the School conducts a preliminary inquiry into the nature of the incident, complaint or notice, the evidence available, and the parties involved. In order to support the growth and development of our students, educational conferences may be utilized as a part of inquiry.

2. School as Convener

The School is the convener of every action under this code. Within that action, there are several roles. The respondent student is the person who is alleged to have violated the Code. The party bringing the complaint, who may be a student, employee, visitor, neighbor, or guest, may choose to be present and participate in the process as fully as the respondent student. There are witnesses, who may offer information regarding the allegation. There is an investigator(s) whose role is to present the allegations and share the evidence that the School has obtained regarding the allegations.

Reporting a Violation:

Any member of the learning community who observes or suspects a violation of the prescribed conduct outlined for students participating in Cannabis Hub LMS course is encouraged to report the incident promptly.

Initial Review:

Upon receiving a report of a conduct violation, the Cannabis Hub Director will conduct an initial review of the alleged violation to gather information and assess its validity.

Notification:

If the initial review suggests a valid violation, the student involved will be promptly notified in writing, detailing the alleged violation, the evidence collected, and the procedure to follow for resolution.

Investigation:

An investigation, if necessary, will be conducted by a Cannabis Hub appointed authority or committee to thoroughly examine the conduct violation, gather additional information, and interview relevant parties as needed.

Student Response:

The accused student will be provided with the opportunity to respond to the allegations, submit relevant evidence, and participate in the investigative process.

Resolution:

Following the investigation, a resolution will be determined based on the preponderance of evidence. Possible outcomes may include:

- No violation found, with the case closed.
- A warning or reminder of the prescribed conduct.
- Academic penalties, such as a reduced grade for an assignment.
- Additional educational activities related to academic integrity.
- More severe consequences for repeated or severe violations, including course failure or expulsion.

Appeal Process:

If the accused student disagrees with the resolution, they may have the right to appeal the decision. The appeal process, including the submission of a formal appeal, will be outlined in the notification of resolution.

Record Keeping:

Records of conduct violation reports, investigations, resolutions, and appeals will be maintained in accordance with institutional policies and privacy regulations.

Confidentiality:

All parties involved in the conduct violation procedures are expected to maintain strict confidentiality throughout the process to protect the privacy and rights of those involved.

Non-Vocational Asynchronous Course Description

Certificate Terms: Cannabis Hub certificates are valid for life. Cannabis Hub acknowledges the relevance of the knowledge acquired in its courses even as the industry evolves. It demonstrates an enduring commitment to providing learners with enduring value and recognition for their expertise in an industry that is constantly evolving and to provide them with education to gain employment opportunities in the industry.

Designated Authority

At the Cannabis Hub, the designated authority is the president of the Cleveland School of Cannabis.

The designated authority holds the responsibility for overseeing and ensuring compliance with educational standards, curricula development, and the overall quality of education provided by the institution. The president is duly authorized to make decisions related to educational policies, program development, and any other matters within the scope of the institutions activities.

Course Requisites:

Applicants interested in attending the Cannabishub should apply online and make fee payment. Course curriculum will be provided to the applicant upon completion of the form and payment completion.

Prior to enrollment all applicants must complete and/or provide:

- Online Enrollment Application;
- Payment of registration fee;



**CANNABIS HUB IS A
CERTIFICATE PROGRAM** that
offers a Certificate of
Completion for every course
available on the website
www.cannahubedu.com.

Grading Policy

Criterion Referenced Assessments

PERCENTILE	LETTER	GPA
70-100 %	P	Student receives Certificate of Completion
69 % and below	F	Certificate incomplete

P=PASS

F=FAIL

Each course must be passed with a C (70% or higher).

Certificate Of Completion Requirements:



Course Completion

Students are required to successfully complete all prescribed coursework, including readings, assignments, quizzes, and any other learning activities.

Minimum Grade

Students are required to achieve a minimum passing grade of 70% or higher, in all course assessments to demonstrate their understanding of the material.

Ethical and Conduct Standards

Students may need to adhere to a code of conduct or ethical standards outlined by the institution, which could include academic honesty and respectful behavior in online discussions.

Asynchronous Cannabis Hub Course(s) And Instructor Listing



HORTICULTURE 101



4 Modules,
Approximate
Instructor Lesson
Time 1.25 hours

1

Have you ever wanted to grow organic cannabis with living soil? The purpose of this course is to develop a beginner's understanding of horticulture and plant life diversity. This course will cover the basics of soil science, as well as the soil food web, and how to apply these basics to the growth and propagation of cannabis.

Course Description: As a result of taking this course, students will achieve a basic grasp of horticultural fundamentals in the cannabis industry to ensure healthy and productive cannabis plants, maintain product quality and consistency, meet regulatory requirements, and promote sustainable and economically viable cultivation practices.

Course Objective: Upon completion of this asynchronous course on the Cannabis Hub for Basics of Horticulture, students will be able to apply fundamental horticultural principles specific to the cannabis industry. They will gain the knowledge and skills necessary to cultivate healthy and high-quality cannabis plants, adhere to regulatory standards, and implement sustainable cultivation practices, contributing to the industry's economic viability.

Meredith Hundley, Instructor Cannabis Hub-Basics of Horticulture

Meredith Hundley, an instructor for the Cannabis Hub's Basics of Horticulture course, brings a solid foundation in environmental science, safety, and health from her studies at Columbus State Community College. With her prior roles as a Greenhouse and Nursery Specialist and in sales at Straders Garden and Magic Home Gardens, Meredith possesses practical experience that uniquely qualifies her to teach horticulture in the context of the cannabis industry.

INTRO TO CANNABIS CULTIVATION



5 Modules,
Approximate
Instructor Lesson
Time 1.25 Hours

2

This program is designed to provide individuals with the foundation they need to grow medical-grade cannabis. The program uses text and video to support the lectures. This program is designed in a way that can benefit novice and experienced cannabis growers

Course Description: As a result of taking this module students will be guided through the steps of germination, detailing every stage including curing and harvest, with a few tricks and tips that will have students on their way to growing a healthy and vigorous cannabis plant.

Course Objective: Upon completion of this asynchronous course module on the Introduction of Cannabis Cultivation, students will have a comprehensive understanding of the entire cannabis cultivation process, from germination to curing and harvest. They will acquire the knowledge and techniques necessary to successfully grow robust and healthy cannabis plants, incorporating valuable tricks and tips to enhance their cultivation skills

LINDSEY SHUPERT: HUB INSTRUCTOR, INTRO TO CULTIVATION:

Lindsey Shupert is a highly qualified botanist and instructor for the Introduction to Cannabis Cultivation at Cannabis Hub. Her academic background includes a Master of Science in Plant Biology from Southern Illinois University, with coursework in plant physiology, genetics, molecular biology, and ecosystem ecology. She also holds a Bachelor of Science in Plant Biology from the same institution. In addition to her academic achievements, Lindsey has contributed to research and publications in her field, notably in journals such as *Chemosphere* and *Plants*. She has received research grants and awards for her work, further demonstrating her expertise and dedication to plant biology. Lindsey's practical experience includes serving as a crew leader for an ecological restoration project and working as an owner of a land management and consulting company. She has also served as a teaching assistant and laboratory instructor at Southern Illinois University, where she independently taught various college-level laboratory courses, managed materials, and ensured safety protocols. Lindsey Shupert is highly qualified to teach cannabis cultivation at Cannabis Hub, due to her extensive academic background, research contributions, and practical experience.

GLANDULAR TRICHOME SCIENCE



3 Modules,
Approximate
Instructor Lesson
Time 1.0 Hours

3

The glandular trichome head is the mini-factory for all the cannabinoids, terpenes, and flavonoids the cannabis plant has to offer. Harvesting cannabis is mostly determined by the maturity of the trichome. This course will guide you through defining a glandular trichome head, the location of the trichome head on the plant, the production of cannabinoids, terpenes, and flavonoids, the anatomy of the trichome, maturity levels, and the distinct types of glandular trichome heads that the cannabis plant produce

Course Description: As a result of taking this module students will be guided through the definition of a glandular trichome head, the location of the trichome head on the plant, the production of cannabinoids, terpenes, and flavonoids within the trichome, the anatomy of the trichome, the different types of glandular trichome heads that the cannabis plant produces and the maturity rate of the trichome.

Course Objective: Upon completion of this asynchronous course module on Glandular Trichome Science, students will gain a comprehensive understanding of glandular trichome biology, including the definition and location of trichome heads on the cannabis plant. They will learn about the intricate processes involved in the production of cannabinoids, terpenes, and flavonoids within these trichomes. Additionally, students will explore the anatomy of trichomes, differentiate between various types of glandular trichome heads, and grasp the concept of trichome maturity rates, thus enhancing their knowledge of cannabis plant biology and its relevance in cannabis production. A comprehensive understanding of glandular trichome heads in the cannabis industry is essential for optimizing plant cultivation, ensuring product quality, developing new strains and advancing both the recreational and medicinal applications of cannabis. It underpins key aspects of cannabis production, research, and innovation

LISA ZWIRNER, DIRECTOR/INSTRUCTOR-CANNABIS HUB COURSES: GLANDULAR TRICHOME SCIENCE

Lisa Zwirner is a highly accomplished and versatile professional with a rich background that uniquely qualifies her for the role of Director and Instructor for Extraction Courses at the Cannabis Hub. Lisa possesses over 15 years of progressive professional experience and is highly motivated. Her extensive experience and skill sets encompass a wide range of areas: Cannabis Cultivation Expert: Lisa is a well-known cultivator of cannabis and the creator of the popular "Mamas Chili Bomb" strain (Head Space x Cherry Bomb). Her expertise in cannabis cultivation is exceptional, and she has successfully distributed and grown her unique strains in eight different countries. Lisa's experience in developing distinct and exceptional cannabis strains makes her a valuable instructor in the cannabis industry. For more than five years, Lisa served as the YouTube Moderator for the highly successful cannabis educational series "Hash Church," alongside Marcus Richardson. Aka Bubbleman's World. Lisa is the Director of the Cannabis Hub, where she holds a crucial role in collaborating with the Cleveland School of Cannabis and the Harrington Institute's director of education. She is responsible for selecting faculty, fostering industry relationships to develop new courses, and nurturing upcoming talents. Through this role, she has established herself as a leading figure in the cannabis industry, showcasing her dedication to education and innovation. Her extensive experience and ability to excel in various roles underscore her readiness to lead and instruct in the dynamic cannabis industry.

GROW ENVIRONMENTS AND OUTCOMES



4 Modules,
Approximate
Instructor Lesson
Time 1.0 Hours

4

Losing control of your growing environment can have devastating consequences on your plants. This course will review the proper techniques and guidelines for the ideal growing environment and how to diagnose deficiencies that may develop from environmental imbalance. Equipment and controls you can utilize to control your environment will also be reviewed

Course Description: As a result of taking this course, you will review growing parameters and guidelines, heat and c02 requirements, the possible consequences of mismanagement, and the equipment requirements to control the environment.

Course Objectives: Understanding the environmental factors, including light, temperature, humidity, and airflow, enables growers to create and maintain the ideal conditions for cannabis plants to thrive and reach their full potential in terms of yield and quality. This course empowers students to optimize conditions for plant health

ZACH SIMCOE-HUB INSTRUCTOR, GROW ENVIRONMENTS & OUTCOMES

Zach's expertise makes him the perfect choice to teach courses on cannabis cultivation at the Cannabis Hub. He is fully dedicated to sharing his knowledge with aspiring professionals in this field, and his proficiency undoubtedly benefits students who wish to gain a comprehensive understanding of cannabis cultivation practices. Zach is the first certified Ganjier in the state of Ohio. The Ganjier is educated in the history, science, genetics, cultivation, processing, and consumption of cannabis. Additionally, the Ganjier is trained in the systematic assessment and grading of the quality of cannabis and cannabis products. Most critically, the Ganjier is a trusted and reliable guide for the cannabis consumer. Zach attended Ohio University where he studied Botany and Business Management. His educational foundation in botany provides him with a strong understanding of plant biology, which is directly applicable to cannabis cultivation. Zach gained hands-on experience in the horticultural industry as a Sales Associate at Magic Home Gardens. This experience provided him with valuable insights into plant care, cultivation techniques, and customer service. In addition, he is an expert in the field of cannabis cultivation, as demonstrated by his role as an instructor at the Cleveland School of Cannabis.

CANNABIS PEST REMEDICATION



3 Modules,
Approximate
Instructor Lesson
Time 48 Minutes

5

Many pests affect cannabis production facilities and pest remediation skills are necessary to manage indoor, greenhouse, or outdoor environments. Growers can use various strategies to avoid and control pests, including cultural, physical, biological, and chemical tactics. In this course, you will learn the major steps to develop your own IPM (Integrated Pest Management) plan. Monitoring, prevention techniques, and identification will be reviewed, which will enhance the productivity of your plant's

Course Introduction: As a result of taking this module, students will be able to identify pests and pathogens that are common to the cannabis plant, review the tools for prevention, and understand the meaning and process of integrated pest management.

Course Objectives: Understanding pest remediation in the cannabis industry is essential for safeguarding crop health, maintaining product quality, ensuring compliance with regulations, and meeting consumer demands for safe and sustainable cannabis products. It's a critical aspect of responsible and successful cannabis cultivation. Upon completion of this asynchronous course module on Pest Remediation, students will have the capability to identify common pests and pathogens affecting the cannabis plant. They will also be equipped with the knowledge to assess preventive tools and comprehend the concept and implementation of integrated pest management, thereby enhancing their ability to safeguard cannabis crops effectively.

ZACH SIMCOE-HUB INSTRUCTOR, CANNABIS PEST REMEDIATION

Zach's expertise makes him the perfect choice to teach courses on cannabis cultivation at the Cannabis Hub. He is fully dedicated to sharing his knowledge with aspiring professionals in this field, and his proficiency undoubtedly benefits students who wish to gain a comprehensive understanding of cannabis cultivation practices. Zach is the first certified Ganjier in the state of Ohio. The Ganjier is educated in the history, science, genetics, cultivation, processing, and consumption of cannabis. Additionally, the Ganjier is trained in the systematic assessment and grading of the quality of cannabis and cannabis products. Most critically, the Ganjier is a trusted and reliable guide for the cannabis consumer. Zach attended Ohio University where he studied Botany and Business Management. His educational foundation in botany provides him with a strong understanding of plant biology, which is directly applicable to cannabis cultivation. Zach gained hands-on experience in the horticultural industry as a Sales Associate at Magic Home Gardens. This experience provided him with valuable insights into plant care, cultivation techniques, and customer service. In addition, he is an expert in the field of cannabis cultivation, as demonstrated by his role as an instructor at the Cleveland School of Cannabis.

TERPENES & CULTIVARS



8 Modules,
Approximate
Instructor Lesson
Time 1.5 Hours

6

Have you ever wondered why Vanilla Kush can leave you feeling sleepy, while Super Lemon Haze keeps you moving and motivated? Immerse yourself in the science behind terpenes and how these medicinal compounds interact with cannabinoids to modulate the effects of a particular cultivar. This course will highlight specific Land-Race cultivars that make up the modern Hybrid, Sativa, and Indica on the dispensary shelves today

Course Description: As a result of this course students are guided through a better understanding of the cannabis plant, and its components. Classifications of the cannabis plant are also included. This course will explore some of the cultivars that can be useful in medical situations while providing relief. A comprehensive examination of phytocannabinoids and terpenes will also be included in this course. An overview of four medical conditions, their symptoms, and the medicinal properties cannabis offers to relieve them. The conditions include pain and inflammation, anxiety and mental health, neurodegenerative disorders, and cancer.

Course Objective: The objective of this course is to understand how terpenes and cultivars in cannabis promote health and well-being by ensuring that patients and customers have access to cannabis products tailored to their needs and preferences. This course emphasizes the modulation effects of cannabinoids which are influenced by the terpene content of the plant, and how several Land Race cultivars have provided the influential effects of today's modern cultivars.

DR. BRIDGET WILLIAMS, MD, CTR HUB INSTRUCTOR, TERPENES & CULTIVARS

Dr. Bridget Williams is an established board-certified family physician and the founder and medical director of Green Harvest Health, a medical cannabis clinic located in Pickerington, OH. Green Harvest Health is the only medical cannabis and life coaching office in Ohio. Dr. Williams brings nearly 20 years of experience in family medicine from The Cleveland Clinic and certifications in life and cannabis coaching to her practice. Dr. Bridget provides valuable talks on medical cannabis, CBD, life balance, and confidence. In 2019, Dr. Bridget branched out into developing her own line of CBD products as well as white labeling and CBD product development for other businesses. When not seeing patients, Dr. Bridget hosts a CBD education series, and a holistic wellness series and is teaching faculty at the Cleveland School of Cannabis. Green Harvest Health has been featured on Daytime Columbus, the Columbus Dispatch, Ellementa, That Stoner Show, Success Women's Conference Medicate Ohio, and other local and national platforms. Dr. Williams is the founder and CEO of the nonprofit GHH Community Foundation. The focal program of the nonprofit is "The Cannabis Can Project", a gathering of cannabis businesses united to network in a collaborative environment while providing community service opportunities to support the communities that support us. Visionary of the Courage and Cannabis book and workshop series.

CANNABIS BASICS & THE DISPENSARY EXPERIENCE



3 Modules,
Approximate
Instructor Lesson
Time 2.0 Hours

7

Course Description: As a result of taking this course, you will be armed with the basics of the retail marijuana market. Become more knowledgeable about cannabis, manage expectations, learn about dispensaries and product selection, and ensure safety as you dive into the wonderful world of cannabis. Specifically, industry-experienced pharmacists will cover "Defining Cannabis", Components of Cannabis, Cannabis and the Human Body, Effects of Marijuana, Warnings and Precautions, Forms and Administration, Dispensary Operations, Inside A Dispensary; and summarize each lecture with assessment questions

Course Objectives: The objective of this course is for students to acquire fundamental knowledge about the retail marijuana market. They will develop a comprehensive understanding of cannabis, its components, its interactions with the human body, and its effects. Additionally, students will become familiar with dispensary operations, product selection, safety measures, and industry-specific terminology. This knowledge will empower them to effectively navigate the world of cannabis, ensuring informed decision-making and safe practices in a dispensary setting

RONY SINHARROY: INSTRUCTOR: CANNABIS BASICS AND THE DISPENSARY EXPERIENCE

Rony Sinharoy is an accomplished healthcare professional with extensive qualifications to serve as a Dispensary Instructor at the Cannabis Hub. He is committed to enhancing public health and wellness by applying healthcare quality standards, health economics, and industry regulations. Rony brings hands-on experience in front-line patient care with a focus on both cannabis and pharmaceuticals, making him well-versed in the practical aspects of healthcare delivery. He holds an impressive educational background, including a Doctor of Pharmacy and a Master of Business Administration. Additionally, he is pursuing a Graduate Certificate in Health Policy from Georgetown University. His diverse educational foundation covers healthcare policy, sociology, pharmaceutical science, and business. Rony's professional experience as a Designated Representative and Cannabis Care Pharmacist at Greenleaf Apothecaries demonstrates his understanding of regulatory compliance within the cannabis industry. He has played a pivotal role in establishing and managing multiple medical cannabis dispensaries. He has excellent communication skills and can simplify complex information, making it easily accessible to the public. This skill is crucial for teaching and disseminating information in the field of cannabis. With his education, hands-on experience, and regulatory expertise, Rony Sinharoy is exceptionally qualified to instruct and guide students in the intricacies of cannabis dispensaries and the broader healthcare aspects of the industry at the Cannabis Hub. His dedication to healthcare quality and public health makes him a valuable asset to the program.

KNOW YOUR CBD



3 Modules,
Approximate
Instructor Lesson
Time 1.0 Hour

8

This course will illustrate the basic concept behind the medicinal aspects of CBD. Concepts explored include the history and science of cannabidiol, CBD compared to THC, the medicinal potential, and how best to use cannabidiol. Participants will learn how to dose CBD, the side effects to look out for, and how to purchase CBD to obtain a quality product.

Course Description: As a result of taking this course, students will gain knowledge on the basic concept behind the medicinal aspects of CBD. Concepts explored include the history and science of cannabidiol, CBD compared to THC, the medicinal potential, and how best to use cannabidiol. Students will learn how to dose CBD, side effects to look out for and how to purchase CBD to obtain a quality product. Students will be introduced to the Instructor who will list their specific qualifications for teaching this course.

Course Objectives: By the end of this course, students will have a comprehensive understanding of the importance of knowing cannabidiol (CBD), including its therapeutic potential, safety considerations, legal implications, and its role within the broader cannabis industry. Students will also be able to effectively communicate this knowledge to others and apply it in various professional contexts within the cannabis field.

DR. BRIDGET WILLIAMS, MD, CTR-HUB INSTRUCTOR, KNOW YOUR CBD

Dr. Bridget Williams is an established board-certified family physician and the founder and medical director of Green Harvest Health, a medical cannabis clinic located in Pickerington, OH. Green Harvest Health is the only medical cannabis and life coaching office in Ohio. Dr. Williams brings nearly 20 years of experience in family medicine from The Cleveland Clinic and certifications in life and cannabis coaching to her practice. Dr. Bridget provides valuable talks on medical cannabis, CBD, life balance, and confidence. In 2019, Dr. Bridget branched out into developing her own line of CBD products as well as white labeling and CBD product development for other businesses. When not seeing patients, Dr. Bridget hosts a CBD education series, and a holistic wellness series and is teaching faculty at the Cleveland School of Cannabis. Green Harvest Health has been featured on Daytime Columbus, the Columbus Dispatch, Ellementa, That Stoner Show, Success Women's Conference Medicate Ohio, and other local and national platforms. Dr. Williams is the founder and CEO of the nonprofit GHH Community Foundation. The focal program of the nonprofit is "The Cannabis Can Project", a gathering of cannabis businesses united to network in a collaborative environment while providing community service opportunities to support the communities that support us. Visionary of the Courage and Cannabis book and workshop series.

HISTORY OF CANNABIS



3 Modules,
Approximate
Instructor Lesson
Time 30 Minutes

9

Cannabis usage dates back from 2900 BC to modern-day. This course covers the uses of cannabis and its cultural importance, the prohibition of cannabis, and subsequent cannabis law reform.

Course Description: As a result of taking this course students will Dive into the intriguing journey of Cannabis History with this engaging asynchronous course. From its roots in the 1600s to the dynamic present day, you will explore the comprehensive history of cannabis usage and its evolution. Uncover the fascinating story of cannabis through key milestones, cultural shifts, legal developments, and societal impacts. By the end of this course, you will be equipped with a profound understanding of the historical context surrounding this versatile plant and its enduring significance across different time periods. Join us on this enlightening exploration of Cannabis History and gain a unique perspective on one of the world's most captivating plants.

Course Objective: Upon completion of this asynchronous course on Cannabis History, students will have gained a comprehensive understanding of the historical usage and evolution of cannabis from the 1600s to the present day. They will be equipped with knowledge about key milestones, cultural shifts, legal developments, and societal impacts related to cannabis, enabling them to appreciate the historical context of this versatile plant and its significance in various time periods

JEREMY BAKER: INSTRUCTOR, HISTORY OF CANNABIS

Jeremy Baker is a highly qualified instructor at Cannabis Hub, specializing in teaching the History of Cannabis. He possesses an impressive educational background, including a Bachelor's degree in Sociology from Westminster College (PA) and a Master's degree in Sociology from The Ohio State University. His academic focus has been on Social Movements, particularly emphasizing the American Labor Movement. Jeremy's teaching experience is extensive, and he currently holds positions at prominent institutions. He serves as a part-time lecturer at The Ohio State University, where he has been teaching various sociology courses for over four years. Additionally, he is a part-time faculty member at Otterbein University, where he instructs on topics such as sociology, culture, family, and research methods. His skills in course development, online teaching, communication, and educational technology, coupled with his rich academic and teaching background, make Jeremy Baker a valuable asset in providing students at Cannabis Hub with a comprehensive understanding of the history of cannabis.

CANNABIS ADVOCACY



1 Module,
Approximate
Instructor Lesson
Time 30 Minutes

1
0

If you are passionate about marijuana laws and the industry at large, this course is for you. It will guide you through the responsibilities, legislative requirements, and how to voice your opinion in the cannabis space

Course Description: This module on Cannabis Advocacy and Policy Lawmaking equips students with essential knowledge and skills to engage in informed and impactful cannabis advocacy efforts. Throughout this course, students will:

- Define advocacy and gain insights into the policy of lawmaking.
- Explore the intricacies of government and politics, including an examination of the three branches of government.
- Gain a comprehensive understanding of the processes involved in passing ballot initiatives and the dynamics of state referendums.
- Delve into the legislative branches of government, exploring how federal bills are passed.
- Examine local policies and municipalities, with a focus on the concept of "home rule."
- Learn about prominent organizations dedicated to advocating for cannabis legalization.

Lesson Objective: As a result of taking this course students will be prepared to actively participate in cannabis advocacy, promoting responsible use, equitable access, and positive change within the cannabis industry and society. This course empowers students to become informed, engaged, and proactive contributors to the evolving landscape of cannabis legalization

BRIAN ADAMS, INSTRUCTOR-CANNABIS ADVOCACY

Brian Adams is an accomplished and highly qualified professional with a diverse background that uniquely positions him for the role of Instructor at the Cannabis Hub. as well as Cleveland School of Cannabis. With a Bachelor of Communications degree from Cleveland State University, Brian possesses a solid academic foundation in communication and education.

Brian's extensive professional experience adds a wealth of knowledge and practical expertise to his teaching role:

- Harrington Institute Director of Education:** Brian's tenure as the Director of Education at the Harrington Institute demonstrates his commitment to excellence in cannabis education. He has been instrumental in shaping the curriculum and ensuring that students receive the highest quality instruction.
 - Cleveland NORML Executive Director:** Serving as the Executive Director of Cleveland NORML showcases Brian's dedication to cannabis advocacy and reform. His leadership in this capacity has contributed to the advancement of responsible cannabis policies in Cleveland.
 - Cleveland Scene Magazine Account Executive:** Brian's experience as an Account Executive at Cleveland Scene Magazine attests to his strong communication and marketing skills. This role required him to effectively engage with clients and promote the magazine's offerings.
 - WCSB 89.3 FM Radio Personality:** As a radio personality on WCSB 89.3 FM, Brian has honed his communication abilities, reaching and engaging with a diverse audience. This experience has equipped him with the skills to effectively convey complex information.
 - Founder and Chief Petitioner - Sensible Cleveland, Cleveland, OH:** Brian's role as the Founder and Chief Petitioner of Sensible Cleveland underscores his commitment to grassroots advocacy and community engagement. This experience reflects his leadership and organizational abilities.
 - Lead Dispensing Agent - Greenleaf Apothecaries, LLC:** Brian's firsthand experience in the cannabis industry as a Lead Dispensing Agent provides invaluable insights to students, offering practical knowledge of the industry's operations and regulations.
- Brian Adams is an outstanding candidate for the Instructor position at the Cannabis Hub. His impressive blend of education, advocacy, and industry experience makes him an exceptional fit for the role. With his unwavering commitment to cannabis education and vast background, he is sure to contribute greatly to the success of the students as well as the growth of the cannabis industry.

COOKING WITH CANNABIS



8 Modules,
Approximate
Instructor Lesson
Time 2.0 Hours

1
1

Come into the Cannahub kitchen and get first-hand knowledge of how to become a successful cannabis gourmet cook. Taught by a top cannabis chef in the industry, you will get step-by-step instructions on topics such as dosing, decarboxylation methods, flower and concentrate infusions, tinctures, recipes, and meal pairings.

Course Description: After taking this module, the student will be able to understand **Which** methodologies are the safest to follow when practicing the art of cannabis infusion, **What** you're going to look for when securing cannabis from different sources, **How** to incorporate cannabis into delicious treats or meals for you and your loved ones with proper dosing calculations and unique recipes, decarboxylation methods, infusion methods, and proper storage recommendations

Course Objectives: The objective of the course Cooking with Cannabis is to acquire the knowledge and skills necessary to safely and creatively prepare cannabis-infused dishes, while also understanding the basic concepts associated with cooking with cannabis.

LINDA BERRY, HUB INSTRUCTOR, COOKING WITH CANNABIS:

Chef Linda Berry is an international chef, plant forward STEM educator, workforce development trainer, public speaker, and adjunct cannabis culinary instructor. Through her classes and pop-up events, she curates' experiences that blend together her love of people, teaching, vibrant locally crafted dishes inspired by her international travel, and classic training to create one of a kind experiences for the local family to celebrities like Diddy and Dave Chappelle alike.

A dedicated community chef, Chef Berry has spent the last decade partnering with urban farms and community organizations such as the YMCA, Girl Scouts, and United way to bring nutrition forward, budget friendly culinary classes to underserved and food insecure populations. In the same way, she has spent the last 5 years educating various communities on the benefits and incorporation of cannabis into their diets. She recently became one of, if not, the first chefs in Ohio to be granted the opportunity to teach classes on the benefits of incorporating CBD into food in conjunction with one of the largest colleges in the state.

MECHANICAL EXTRACTIONS



4 Modules,
Approximate
Instructor Lesson
Time 1.0 Hour

1
2

With solventless extraction training, you can produce cannabinoid and terpene rich products within the comfort of your own home. In this course, you will learn solventless methods to extract the purest THC. Dry sifting, Full Melt Bubble Hash and Rosin Techniques are included in this course. Solventless Extraction Equipment and tools will also be reviewed.

Course Description: As a result of taking this course, students will be guided through the definition of an extraction. This course discusses mechanical extractions without the use of chemical solvents. These methods include dry sifting, bubble hash (IWE or ice water extraction), rosin pressing, and jar tech. Additionally, a review of the tools and equipment involved in these processes will be included in this course.

Course Objective: The objective of this course is to gain a comprehensive understanding of mechanical extraction methods and their applications in the cannabis industry, including principles, techniques, and equipment used.

LISA ZWIRNER, DIRECTOR/INSTRUCTOR-CANNABIS HUB
COURSES: GLANDULAR TRICHOME SCIENCE, MECHANICAL EXTRACTS

Lisa Zwirner is a highly accomplished and versatile professional with a rich background that uniquely qualifies her for the role of Director and Instructor for Extraction Courses at the Cannabis Hub. Lisa possesses over 15 years of progressive professional experience and is highly motivated. Her extensive experience and skill sets encompass a wide range of areas:

Cannabis Cultivation Expert:

Lisa is a well-known cultivator of cannabis and the creator of the popular "Mamas Chili Bomb" strain (Head Space x Cherry Bomb). Her expertise in cannabis cultivation is exceptional, and she has successfully distributed and grown her unique strains in eight different countries. Lisa's experience in developing distinct and exceptional cannabis strains makes her a valuable instructor in the cannabis industry. For more than five years, Lisa served as the YouTube Moderator for the highly successful cannabis educational series "Hash Church," alongside Marcus Richardson. Aka Bubbleman's World.

Director of Cannabis Hub and Partnership Programs:

Lisa is the Director of the Cannabis Hub, where she holds a crucial role in collaborating with the Cleveland School of Cannabis and the Harrington Institute's director of education. She is responsible for selecting faculty, fostering industry relationships to develop new courses, and nurturing upcoming talents. Through this role, she has established herself as a leading figure in the cannabis industry, showcasing her dedication to education and innovation. Her extensive experience and ability to excel in various roles underscore her readiness to lead and instruct in the dynamic cannabis industry.

ETHANOL/ HYDROCARBON EXTRACTIONS



2 Modules,
Approximate
Instructor Lesson
Time 30 Minutes

1
3

Ethanol and hydrocarbon extractions are widely used on the market to make a variety of concentrate products due to their high yields, so this is the course for you if you are interested in cannabis extraction. In this course, you will learn about ethanol and hydrocarbon extraction equipment, extraction procedures, safety standards, and solvent recovery.

Course Description: As a result a student who takes this module will learn about Ethanol extractions, and the overall topic of Hydrocarbon extractions. In addition to defining these solvents, safety precautions and federal regulations for their use will also be discussed.

Course Objectives: Having proficiency in hydrocarbon extraction techniques opens up many career opportunities in the cannabis industry, including product development, quality control, and compliance management. Hydrocarbon extraction is used in the production of many cannabis concentrates, such as shatter, wax, and live resin. These products require expertise in this technique in order to meet market demands.

NICK HALKIDES: INSTRUCTOR/CANNABIS HUB-ETHANOL/HYDROCARBON EXTRACTIONS

Nick Halkides, an instructor for Cannabis Hub's Cannabis Processing courses, has extensive experience and expertise in the field

Educational Background: Nick's academic achievements include a Post Graduate Certificate in Certified Lean Six Sigma Black Belt from the University of Massachusetts Amherst, demonstrating expertise in manufacturing process improvement, continuous improvement, and project management. He also holds a Bachelor of Science in Chemistry from Baldwin Wallace University, where he conducted independent lab research and earned various scholarships, showcasing his strong analytical skills. Nick is also a graduate of the Cleveland School of Cannabis.

Work Experience: Nick works for Ayr Wellness Inc., where he currently holds the position of Director of Production, overseeing operational functions and processes for the entire state of Ohio. He has also served as a Formulations Manager at Vireo Health, Inc., managing lab equipment, chemical analysis, and validation of extraction methods.

Regulatory Knowledge: His experience includes ensuring compliance with regulations from the Ohio Department of Commerce, the Ohio Board of Pharmacy, and other relevant authorities, emphasizing the importance of legal and safety compliance.

Nick Halkides' combination of hands-on experience, leadership skills, regulatory knowledge, instructional abilities, and solid educational background makes him a highly qualified instructor for Cannabis Hub's Cannabis Processing courses. His expertise contributes to the development of skilled professionals in the cannabis industry.

CO2 EXTRACTIONS



3 Modules,
Approximate
Instructor Lesson
Time 45 Minutes

1
4

Are you curious about CO2 Extraction? With more and more consumers choosing cannabis concentrates, CO2 extraction is among the top choices of manufacturers. Learn about the processes shaping legal cannabis products from supercritical CO2 extraction to developing full-spectrum extracts. In addition to reviewing the thermal dynamics and transport properties of CO2, this course will explain how the extraction process works.

Course Description: As a result of a student who takes this module will learn about CO2 extractions, some transport processes, and the overall topic of CO2 extractions. CO2 extractions are central to the cannabis industry because they enable the production of high-quality, safe, and customizable cannabis products.

Course Objective; Understanding the principles of CO2 extraction and the associated transport processes empowers cultivators and manufacturers to harness this technology effectively.

NICK HALKIDES: INSTRUCTOR/CANNABIS HUB-CO2 EXTRACTIONS

Nick Halkides, an instructor for Cannabis Hub's Cannabis Processing courses, has extensive experience and expertise in the field

Educational Background: Nick's academic achievements include a Post Graduate Certificate in Certified Lean Six Sigma Black Belt from the University of Massachusetts Amherst, demonstrating expertise in manufacturing process improvement, continuous improvement, and project management. He also holds a Bachelor of Science in Chemistry from Baldwin Wallace University, where he conducted independent lab research and earned various scholarships, showcasing his strong analytical skills. Nick is also a graduate of the Cleveland School of Cannabis.

Work Experience: Nick works for Ayr Wellness Inc., where he currently holds the position of Director of Production, overseeing operational functions and processes for the entire state of Ohio. He has also served as a Formulations Manager at Vireo Health, Inc., managing lab equipment, chemical analysis, and validation of extraction methods.

Regulatory Knowledge: His experience includes ensuring compliance with regulations from the Ohio Department of Commerce, the Ohio Board of Pharmacy, and other relevant authorities, emphasizing the importance of legal and safety compliance.

Nick Halkides' combination of hands-on experience, leadership skills, regulatory knowledge, instructional abilities, and solid educational background makes him a highly qualified instructor for Cannabis Hub's Cannabis Processing courses. His expertise contributes to the development of skilled professionals in the cannabis industry.

CANNABIS POST-PROCESSING



4 Modules,
Approximate
Instructor Lesson
Time 1.0 Hour

1
5

Throughout the course, we will examine all methods for processing and refining cannabis, including nucleation, winterization, fractional distillation, isolation, hydrodynamic extractions, and sonication.

Course Description: As a result, a student who takes this module will gain an understanding of how post-processing can be used to customize cannabis products for diverse consumer preferences. Nucleation, Winterization, Fractional Distillation, Isolation, and Sonication methods are covered in this course. Students will also learn to refine the crude oil produced into products like Crystalline cannabinoids, Absolute, Distillates, Isolates, Water-soluble concentrates, Nano Emulsions, and Hydrodynamic extractions.

Course Objectives: The course is designed to provide participants with knowledge of safety and quality control as well as compliance so that they can contribute to the cannabis industry's post-processing sector with expertise.

NICK HALKIDES: INSTRUCTOR/CANNABIS HUB-CANNABIS POST-PROCESSING

Nick Halkides, an instructor for Cannabis Hub's Cannabis Processing courses, has extensive experience and expertise in the field

Educational Background: Nick's academic achievements include a Post Graduate Certificate in Certified Lean Six Sigma Black Belt from the University of Massachusetts Amherst, demonstrating expertise in manufacturing process improvement, continuous improvement, and project management. He also holds a Bachelor of Science in Chemistry from Baldwin Wallace University, where he conducted independent lab research and earned various scholarships, showcasing his strong analytical skills. Nick is also a graduate of the Cleveland School of Cannabis.

Work Experience: Nick works for Ayr Wellness Inc., where he currently holds the position of Director of Production, overseeing operational functions and processes for the entire state of Ohio. He has also served as a Formulations Manager at Vireo Health, Inc., managing lab equipment, chemical analysis, and validation of extraction methods.

Regulatory Knowledge: His experience includes ensuring compliance with regulations from the Ohio Department of Commerce, the Ohio Board of Pharmacy, and other relevant authorities, emphasizing the importance of legal and safety compliance.

Nick Halkides' combination of hands-on experience, leadership skills, regulatory knowledge, instructional abilities, and solid educational background makes him a highly qualified instructor for Cannabis Hub's Cannabis Processing courses. His expertise contributes to the development of skilled professionals in the cannabis industry.

Financial Information And Policies

Non-vocational Course Costs

Course	Price
Mechanical Extractions	\$150
C02 Extraction	\$150
Ethanol and Hydrocarbon Extractions	\$150
Cannabis Post-Processing	\$150
Cannabis Pest Remediation	\$150
Glandular Trichome Science	\$150
Terpenes & Cultivars	\$250
Grow Environments & Outcomes	\$150
Basics of Horticulture	\$200
Intro to Cannabis Cultivation	\$350
Cannabis Advocacy	\$50
Cooking with Cannabis	\$350
KNOW YOUR CBD	\$175
Cannabis Basics & Disp Experience	\$150
History of Cannabis	\$50

Cannabishub currently does not participate in State or Federal Financial Aid programs at this time.

Payment for course(s) must be paid in full prior to the start of class.



Cannabis Hub Attendance Policy

Purpose: This policy aims to promote active participation, engagement, and successful learning outcomes for students enrolled in asynchronous online courses.

- 1. Participation Expectations:** Students are expected to actively engage with the course content throughout the duration of the course. Participation is a vital component of the learning process, and it contributes to a successful educational experience.
- 2. Communication:** Students must communicate. This communication can take various forms, such as participation in discussion, completion of assignments, or interaction in virtual learning environments.
- 3. Active Engagement:** Active engagement in online activities, such as quizzes, polls, or interactive exercises, is encouraged to reinforce learning and understanding of course material.
- 4. Self-Paced Nature:** Asynchronous courses offer flexibility, allowing students to access materials and complete assignments at their own pace. However, students are encouraged to maintain a consistent and regular study routine to ensure timely progress.
- 5. Grading and Evaluation:** Cannabis Hub LMS considers engagement based on specified criteria outlined in the course syllabus. Grading may include factors such as discussion contributions, timely assessment submissions, and active involvement in course activities.
- 6. Incomplete Participation:** A student who consistently fails to participate or engage in the course may be at risk of not meeting the course's deadlines and objectives.. In such cases, the Director may provide early warnings and recommend support resources to help the student succeed.
- 7. Support and Resources:** Students are encouraged to utilize available support services, such as academic advising from the Cannabis Hub Directir, and technical assistance, to facilitate their participation and success in the course.

This attendance and participation policy is designed to create a framework for engagement and involvement in the Cannabis Hub asynchronous online courses, recognizing that active participation is essential for successful learning outcomes. It encourages communication, timely completion of assignments, and proactive engagement with course materials



Grievance/ Complaint Procedure

All student conflicts or complaints should be directed to a Cannabishub staff member immediately. As a first step, the Cannabishub Director will facilitate an informal conversation between the two parties involved. If the complaint cannot be resolved through an informal conversation, the student can submit a formal, written complaint to the CSC Campus Director.

The Campus Director will review the formal complaint within three (3) days. In the review of the complaint, the Campus Director may interview the individuals involved in the complaint and/or bring in another school representative who is not involved in the complaint to review the information and provide additional input on the matter. However, the final decision on any formal complaint remains with the Campus Director.

If the student is not satisfied with the decision issued by the Campus Director, they may appeal the decision to the President within three (3) days. As part of the appeal, the student must explain in writing why they disagree with the decision and provide additional evidence, if possible. The President will review the appeal within three (3) days and provide a decision to the student in writing. The President's decision is final and may not be appealed. Documentation of original complaint, steps to resolve the grievance, and decisions will be documented. The document(s) will be kept in the student's file.



Cancellation And Refund Policy

The enrollment may be canceled within five (5) calendar days after course enrollment, provided that the Cannabis Hub is notified of the cancellation in writing. If such cancellation is made, the Cannabis Hub will promptly refund in full all fees paid pursuant to the enrollment and the refund shall be made no later than thirty days after cancellation. This provision shall not apply if the student has already started the course. Refunds for Course Payments shall be made in accordance with the following provisions:

- i. A student who starts a course and withdraws before the course is 50% completed will be obligated to pay **50% of the refundable fees**.
- ii. A student who starts a course and withdraws after the course is 50% completed will **not** be entitled to a refund of the fees for the course.

Refunds shall be calculated based upon the last date of attendance or participation in an academic school activity. Cannabishub shall make the appropriate refund within thirty (30) days of the date of the withdrawal or termination.

Quality Assurance

At Cannabis Hub, we are committed to delivering high-quality asynchronous courses that empower our students with knowledge and skills to excel in the cannabis industry. Our dedication to quality is reflected in our carefully curated curriculum, expert instructors, and state-of-the-art learning management system. We adhere to rigorous standards of academic excellence, incorporating the latest industry insights and best practices into our courses. Through a combination of innovative online resources, interactive content, and dedicated support, we ensure that our students receive a comprehensive and engaging educational experience. We continually assess and improve our courses to meet the evolving needs of the cannabis industry and provide our learners with the best possible education for their professional success.