



INTERNATIONAL DIPLOMA IN CRAFT DISTILLING



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The International diploma in craft distilling program (I.D.C.D.) is a series of courses which are designed to give the student the necessary knowledge in regards to the science and technology behind distillation, with a focus on craft distilled spirits for human consumption. Course topics will include the history, techniques and technology behind various types of distilled spirits from all around the world (such as Whiskey, Brandy, Rum, Vodka, Cognac, Pisco, Gin, etc.). This program will also cover topics such as applied chemistry, physics, microbiology, and the engineering know-how needed to operate several different types of ethanol stills. The I.D.C.D. program will also touch on some of the various legal aspects that come with alcohol production, and in addition, it will include a practice in whiskey or Pisco distilling and tours of functioning distilleries.

Contents

Fundamental and principles of distillation 1 (Prof. Seth Cohen)

- Introduction
- History of distillation: From Jabir ibn Hayyan (Geber) to modernity
- Raw materials overview
- Fermentation overview
- Distilling overview

Fundamental and principles of distillation 2 (Prof. Seth Cohen)

- Science behind distillation
 - o Mass and energy balances
 - Vapor-liquid equilibrium
- Types of distillation: batch and continuous
- Equipment: alembics, distillation columns (tray columns, packed columns)
- Batch distillation techniques and cooling system.
- General distillery equipment



Scottish, Irish & American Whisk(e)y (Prof. Seth Cohen)

- History of Whisk(e)y: From Ireland, Scotland and America
- Raw material and preparation of fermentable extract (types of the yeast and bacteria, nutrient, etc.)
- Fermentation, distillation and maturation (storage, aging and packaging)
- Chemical make-up of whiskey
- Process technology: equipment and facilities

Fruit spirit making (Prof. Juan Pablo Rosset)

- Introduction to fruit spirits
- Raw material and fermentation processing
- Discontinuous batch distillation
- Pisco industry and technology processing
- History of Chilean and Peruvian Pisco
- Chilean Pisco regulation
- Brandy Industry
- Cognac and Armagnac
- Singani

Gin making (Prof. Franco Regalini)

- History of Gin
- What botanicals make great Gin?
- Distillation practices for Gin
- Blending botanicals

Barrels & spirits (Prof. Soledad Sánchez)

- History
- Barrels management
- Aging and influence of the wood on the spirit flavour

Other distilled spirits of world (Prof. Tomás Schaerer)

- Vodka
- Tequila
- Mezcal
- Rum

Distillery and sustainability (Prof. Tomás Schaerer)

- Building a distillery. Legal, sanitary and regulatory aspects in Chile.
- How to build a distillery. Step by step.
- Sustainability
- Entering the Market with craft spirits.
- Legal aspects (government regulations EU, USA, Chile)



Whisky making & distilling practices (Prof. Dr. Fernando Salazar, Seth Cohen, Franco Regalini & Tomás Schaerer)

- Whisky making (Mashing & fermentation)
- Whisky and gin distilling
- Monitoring of distilling & separation of fractions (heads, hearts & tails)

Visiting a cooperage (Prof. Dr. Fernando Salazar)

- Departure from University at 08:00 am, Av. Brasil 2950
- 11-16horas TN Coopers (Tonelería Nacional) Curacaví

Registration & Welcome 20th: 08:00 - 09:00 AM

Schedule (January-February 2025)

Time	Monday 20	Tuesday 21	Wednesday 22	Thursday 23	Friday 24	
Morning	Fundamental	American &	Fruit spirit	Fruit spirit making	Whisky making	
09:00-	& principles of	Scotch whisky	making I	II (Brandy,	practices: Mashing &	
14:00	distillation	making	(Chilean &	Cognac, Armagnac	fermentation	
	Prof. Seth	Prof. Seth	Peruvian pisco)	& Singani)	Prof. Fernando Salazar	
	Cohen	Cohen	Prof. Juan Pablo	Prof. Juan Pablo	Prof. Seth Cohen	
			Rosset	Rosset	Prof. Tomás Schaerer	
Afternoon	Fundamental	Whisky	Fruit spirits	Fruit spirits		
15:00-	& principles of	tasting	tasting I	tasting II		
19:00	distillation	Prof. Seth	Prof. Juan Pablo	Prof. Juan Pablo		
	Prof. Seth	Cohen	Rosset	Rosset		
	Cohen					

Time	Monday 27	Tuesday 28	Wednesday 29	Thursday 30	Friday 31	Saturday 01
Morning	Gin making	Other distilled	Barrels &	Whisky & gin	Cooperage	10:00 Course
09:00-	Prof. Franco	spirits of the	spirits	making	visiting	evaluation
14:00	Regalini	world (Vodka,	Prof. Soledad	practices:	Prof.	Prof.
		Tequila, Mezcal,	Sánchez	Distilling	Fernando	Fernando
		Rum, etc.)		Prof. Fernando	Salazar &	Salazar
		Prof. Tomás		Salazar, Prof.	Prof.	
		Schaerer		Tomás Schaerer	Soledad	
				& Franco	Sánchez	
				Regalini		
Afternoon	Gin tasting	Tasting world's	How to taste	Distillery &		20:00
15:00-	Prof. Franco	spirits	wood in	sustainability		Closing
19:00	Regalini	Prof. Tomás	spirits	Prof. Tomás		ceremony
		Schaerer	Prof. Soledad	Schaerer		
			Sánchez			

Total: 93 hours Update 08/30/2024