



Organisation Internationale de Métrologie Légale

International Organization of Legal Metrology



# OIML

## (ACP EU TBT Programme platform)

*Ian Dunmill*  
*BIML Assistant Director*



## How was it set up?

- Seminar on “*Developing an OIML package for assistance to Countries and Economies with Emerging Metrology Systems (CEEMS)*” at 50th CIML Meeting in Arcachon, France in 2015
- ACP EU TBT Programme participated in *Capacity building* session
- Proposed assistance on training
- Agreed to fund development of e-Learning platform



## ACP EU TBT Programme

- ACP: Works for Africa, Caribbean, Pacific
- EU: Funding from European Union
- TBT: Programme aims to help in reducing Technical Barriers to Trade



## How was it set up?

### Small committee:

- ACP EU TBT Programme
- OIML
- AFRIMETS
- CROSQ

### Developed by two contracted experts

- Metrology expert from Greece
- e-Learning software expert from Macedonia



## Software and hardware

- Hosted on specific OIML virtual server
- System managed by the BIML
- Uses Moodle – open source e-Learning software
- Modules comply with SCORM (Shareable Content Object Reference Model) to ensure compatibility with other e-Learning software
- Users can register and complete courses themselves without BIML intervention



## Content

Content from “physical” AFRIMETS metrology and legal metrology schools funded by UNIDO

2011                      Metrology school  
*Nairobi, Kenya*

2014                      Legal metrology school  
*Hammamet, Tunisia*

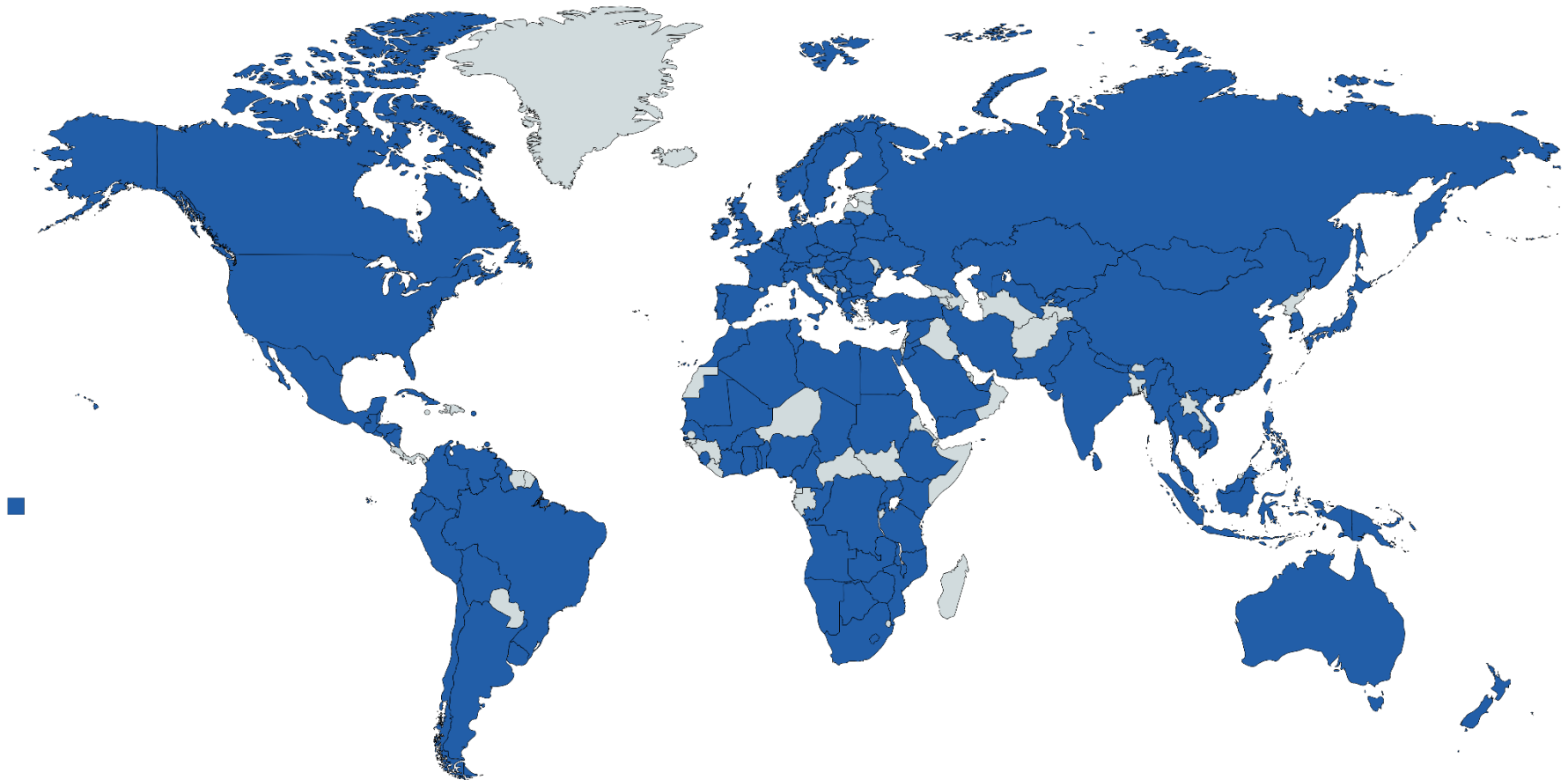


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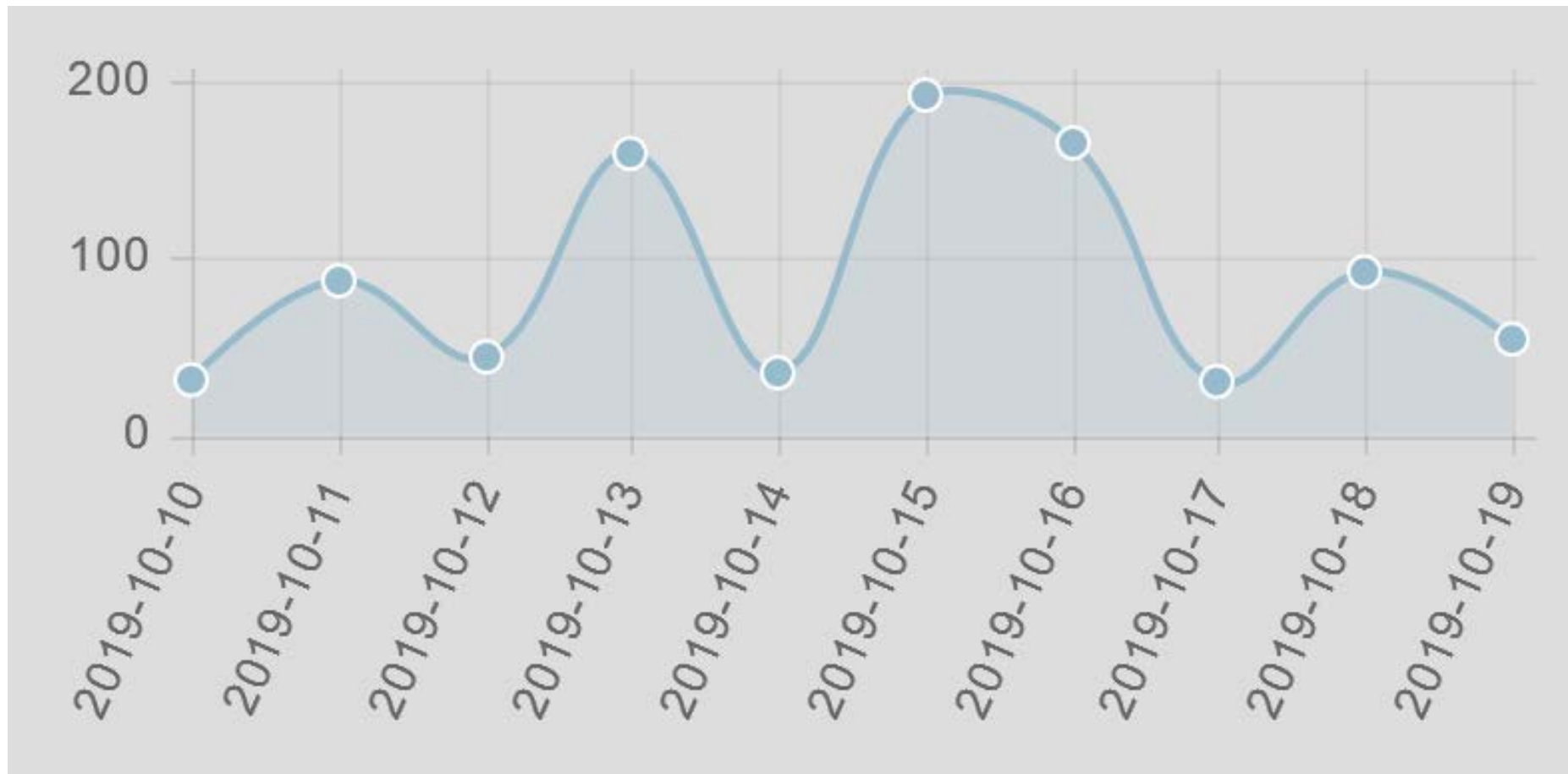
# 1587 distinct users in 140 countries



Created with mapchart.net ©



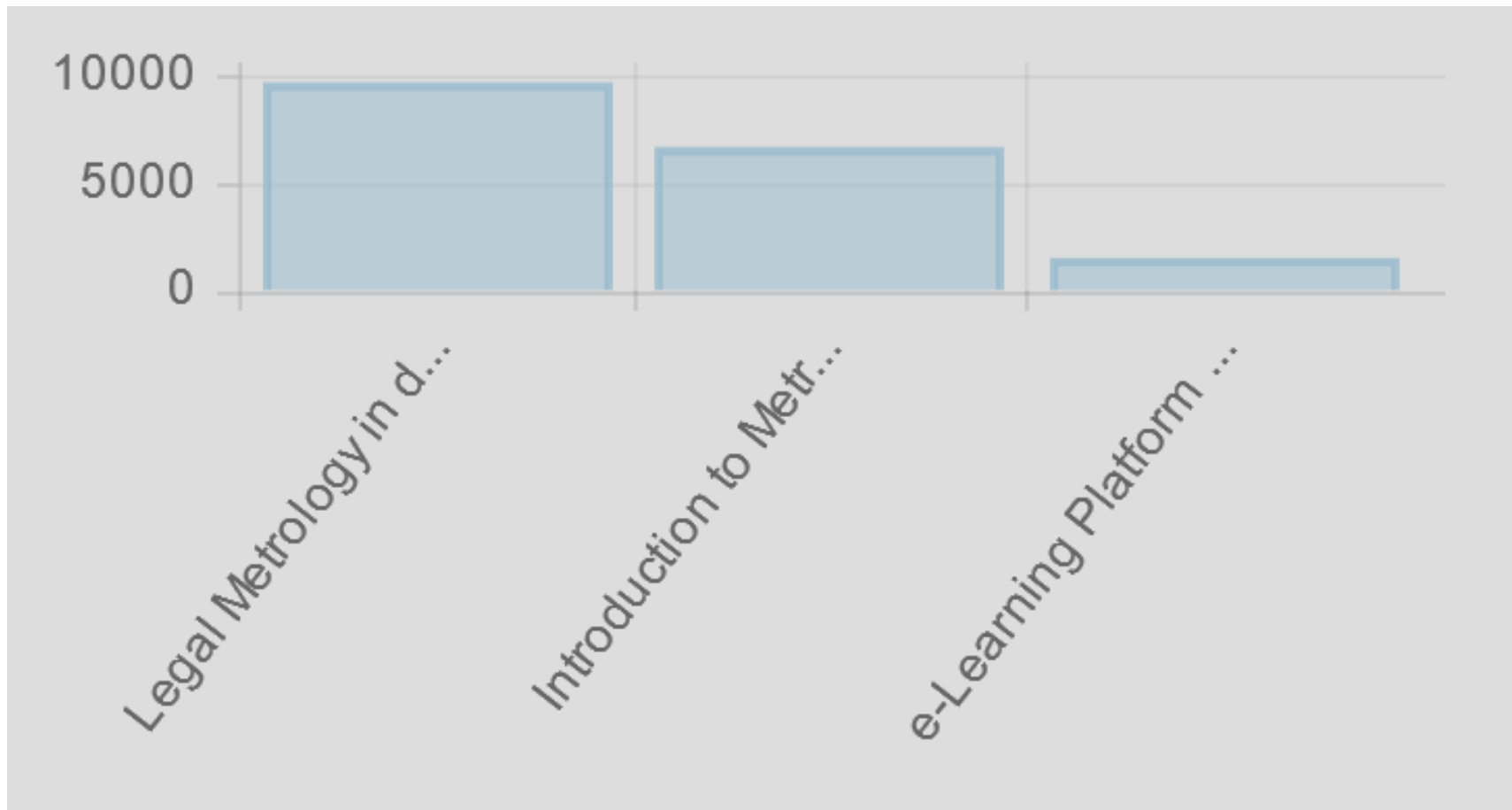
## Daily logins to platform





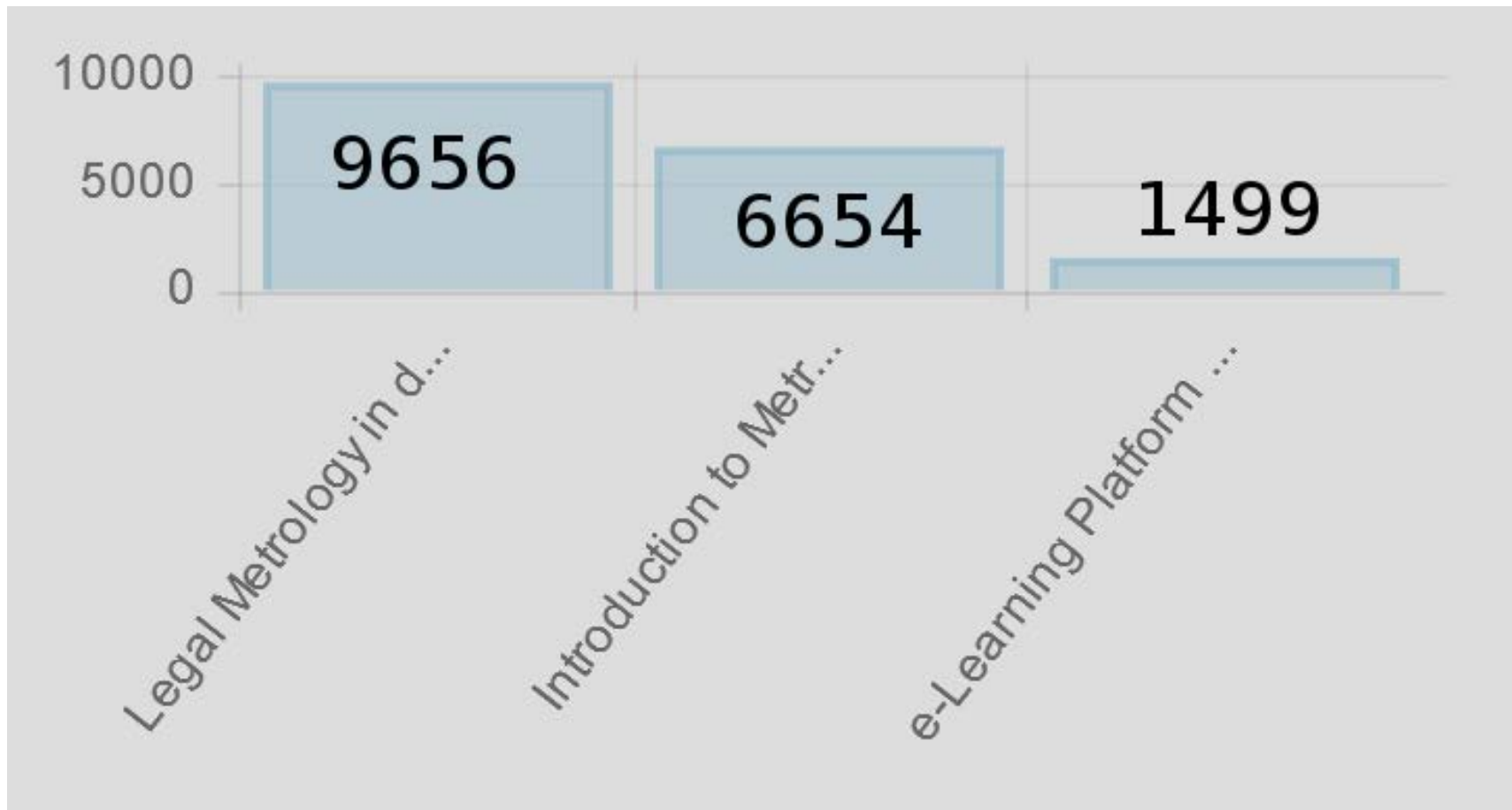


# Total number of visits to courses





## Total number of visits to courses





## Translations

- Translation of platform and content into French funded by ACP EU TBT Programme
- Translation of platform and content into Spanish funded by the OIML
- Identified some problems in English version
- Funding needed to make corrections and implement translations



## Problems encountered

- Time very limited due to end of Programme funding phase
- Material not originally developed for “virtual” delivery
- Errors in original content found during translation
- Some problems with marking of tests



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# Walkthrough of current content of [ims.oiml.org](https://ims.oiml.org)



## Log in

Username

Password

☐ Remember username

LOG IN

[Forgotten your username or password?](#)

Cookies must be enabled in your browser

## Is this your first time here?

Hi! For full access to courses you'll need to take a minute to create a new account for yourself on this web site.

Here are the steps:

1. Fill out the New Account form with your details.
2. An email will be immediately sent to your email address.
3. Read your email, and click on the web link it contains.
4. Your account will be confirmed and you will be logged in.
5. Now, select the course you want to participate in.
6. You can now access the full course. From now on you will only need to enter your personal username and password (in the form on this page) to log in and access any course you have enrolled in.

CREATE NEW ACCOUNT



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TBT Student

## Recently Visited Courses

Online users

Calendar



40%

### Legal Metrology in detail

COURSE >



25%

### Introduction to Metrology as an Ele...

COURSE >



0%

### e-Learning Platform Guide

COURSE >



All Courses



Public Resources



Dashboard



Project funded by the EU at the request of the ACP Group







## Recently Visited Courses



40%

### Legal Metrology in detail

COURSE >



25%

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COURSE >



0%

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COURSE >



All Courses



Public Resources



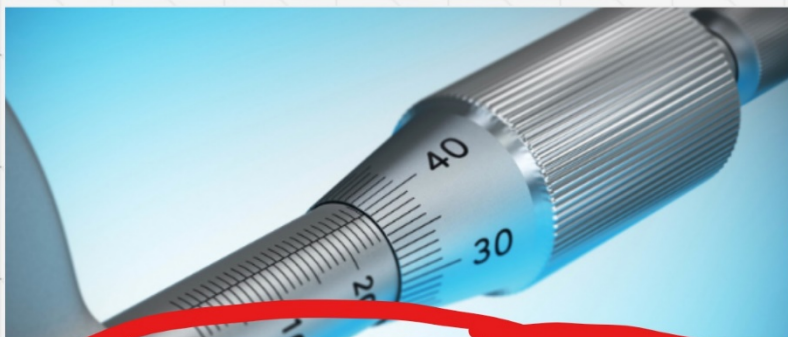
Dashboard

Course info			User info		
Course name	Course period		Role	Course start date	Status
	Start	End			
Introduction to Metrology as an Element of Quality Infrastructure	15.09.2016	---	Student	16.09.2016	25%
e-Learning Platform Guide	18.09.2016	---	Student	19.09.2016	0%
Legal Metrology in detail	22.09.2016	---	Student	23.09.2016	40%





## Recently Visited Courses



### Legal Metrology in detail

COURSE >



25%

### Introduction to Metrology ...

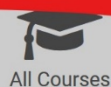
COURSE >



0%

### e-Learning Platform Guide

COURSE >



All Courses



Public Resources



Dashboard

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Navigation Block

Logo: OIML, European Union

TBT Legal Metrology in detail

Legal Metrology in detail

- Course Learning Guide
- Course Discussion Forum
- Final test
- Course Certificate

Course Modules

- Basic concepts of Legal Metrology
- Legal Metrology in a Nutshell
- Examples of regulation of metrology from European and other countries
- Metrology and Trade
- Metrology and Statistics
- OIML Certificate System and engagement with the OIML and RLMOs
- Control of measurements



### Legal Metrology in detail



Course Learning Guide



Course Discussion Forum

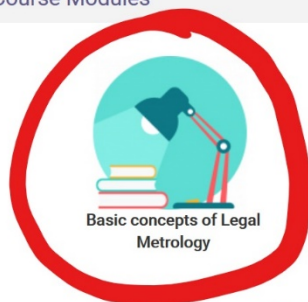


Final test



Course Certificate

### Course Modules



Basic concepts of Legal Metrology



Legal Metrology in a Nutshell



Examples of regulation of metrology from European and other countries



Metrology and Trade



Metrology and Statistics



OIML Certificate System and engagement with the OIML and RLMOs



Control of measurements



TBT Student ▾



### Scope, resolution, sensitivity, accuracy and precision

## Interactive Learning Guide



 Basic concepts of Legal Metrology (scope, resolution, sensitivity, accuracy and precision).

## Theory and Learning Guides



## Basic concepts of Legal Metrology

## Activities



 Quiz: Basic concepts of Legal Metrology



### Other Resources



 [Video 01 - Ms. Yvonne](#) 58.9MB video/mp4



 Video 02 - Mr. Deryck 48.5MB video/mp4



## Certificates



 Certificate for Basic concepts of Legal Metrology

Not available unless: You achieve a required score in Quiz: Basic concepts of Legal Metrology

## Basic concepts of Legal Metrology

## Legal Metrology in a Nutshell

### Examples of regulation of metrology from European and other countries

Metrology and Trade

Metrology and Statistics

OIML Certificate System and engagement with the OIML and RLMOs

### Control of measurements





Navigation Block

Home TBT Legal Metrology in detail

Basic concepts of Legal Metrology

Scope, resolution, sensitivity, accuracy and precision

Interactive Learning Guide

[Basic concepts of Legal Metrology \(scope, resolution, sensitivity, accuracy and precision\).](#)

Theory and Learning Guides

[Basic concepts of Legal Metrology](#)

Activities

[Quiz: Basic concepts of Legal Metrology](#) ☐

Other Resources

[Video 01 - Ms. Yvonne](#) 58.9MB video/mp4 ☐

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Certificates

[Certificate for Basic concepts of Legal Metrology](#)

Not available unless: You achieve a required score in [Quiz: Basic concepts of Legal Metrology](#)

Basic concepts of Legal Metrology

Legal Metrology in a Nutshell

Examples of regulation of metrology from European and other countries

Metrology and Trade

Metrology and Statistics

OIML Certificate System and engagement with the OIML and RLMOs

Control of measurements



The screenshot shows a web-based quiz interface. At the top, there is a blue header bar with logos on the left (a green circular logo and the European Union flag) and navigation icons on the right (share, user, calendar, mail, and a profile icon labeled 'TBT Student'). Below the header, a breadcrumb trail shows the path: TBT > Legal Metrology in detail > Basic concepts of Legal Metrology > Quiz: Basic concepts of Legal Metrology. The main content area is titled 'Quiz: Basic concepts of Legal Metrology' with a subtext 'Grading method: Highest grade'. Below this, a section titled 'Summary of your previous attempts' contains a table with two rows of quiz attempts. The first attempt was finished on Wednesday, 22 February 2017, with a grade of 4.58. The second attempt was finished on Friday, 17 March 2017, with a grade of 3.42. Below the table, it states 'Highest grade: 4.58 / 10.00.' and there is an orange button labeled 'RE-ATTEMPT QUIZ'.

Attempt	State	Grade / 10.00	Review
1	Finished Submitted Wednesday, 22 February 2017, 10:22 AM	4.58	<a href="#">Review</a>
2	Finished Submitted Friday, 17 March 2017, 4:26 PM	3.42	<a href="#">Review</a>

Highest grade: 4.58 / 10.00.

[RE-ATTEMPT QUIZ](#)



## Tests and certificates

- Quiz available in each module
- Certificate on completion of each module
- Final test for each course
- Certificate of completion for whole course



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# Thank you