ORACLE ACADEMY

PUE DAY
#PUEDAY17

# 10:00 - 11:20

PONENCIA

# Oracle Academy

## Ayudando a estudiantes y docentes a crear el futuro

Danny Gooris, Senior Manager Oracle Academy EMEA
Àngel Garcia, Director of Education en PUE

pue IMPULSANDO EL CONOCIMIENTO TIC CUALIFICADO

# ORACLE ACADEMY,
# Are you ready?

**Danny Gooris**
**Senior Manager EMEA**
**Oracle Academy**


**26th of April 2017**

**PUE DAY**
**Madrid, Spain**

ORACLE ACADEMY

pue

ORACLE

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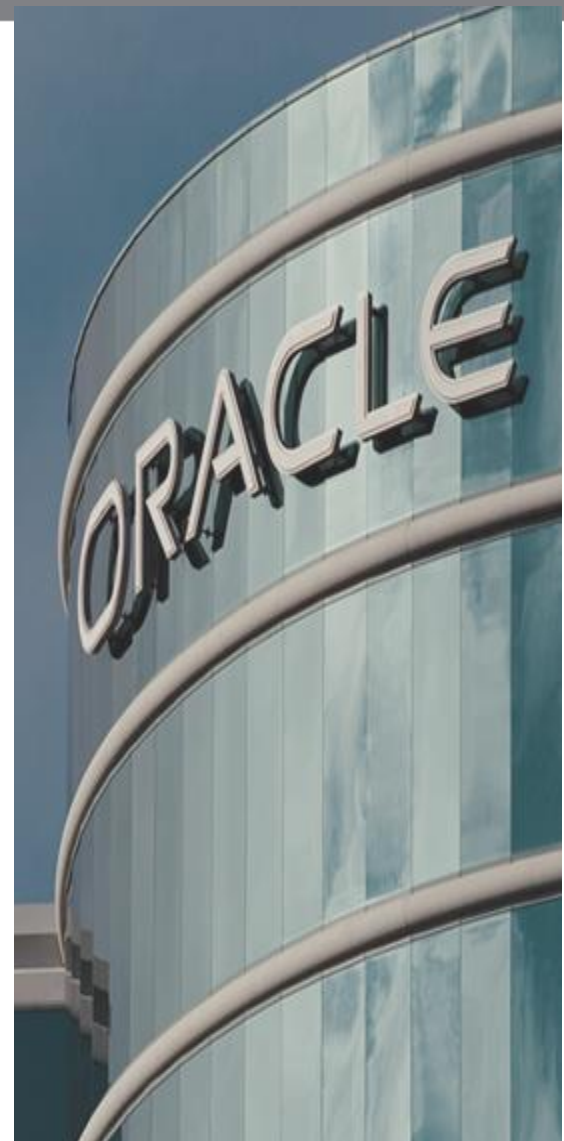
# Oracle Corporation

| Scale | Innovation |
| --- | --- |
| #1 in 50 product/industry categories | $38.2B in revenue in FY15 * |
| #2 software company in the world | 400,000 customers in 145 countries |
| #2 cloud company in the world | $39B in R&D since 2004 |
| 38,000 developers and engineers | $60B on more than 100 acquisitions |
| 15 million developers in Oracle online communities | More than 132,000 employees |
| 900 independent Oracle user groups with 500,000 members | 18,000 customer support specialists, speaking 29 languages |
| | 3.1 million students supported annually |



# Computer Science Education is Important

Well-paying jobs for the foreseeable future will require CS knowledge

Globally there are more jobs available in CS than there are workers to fill those jobs

As a global population, we are increasingly dependent on computers for our security, well-being, and convenience

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# Most Complete Industry Solutions

Companies across a broad range of industries get better results with Oracle

**AEROSPACE AND DEFENSE**
10 of the 10 Top AD Companies

**AUTOMOTIVE**
20 of the 20 Top Auto Companies

**CLOUD**
10 of the 10 Top SaaS Providers

**COMMUNICA-TIONS**
20 of the 20 Top Telcos

**CONSUMER GOODS**
9 of the 10 Top CG Companies

**EDUCATION AND RESEARCH**
20 of the 20 Top Universities

**ENGINEERING AND CONSTRUCTION**
8 of the 10 Top EC Companies

**FINANCIAL SERVICES**
20 of the 20 Top Banks

**HEALTHCARE**
20 of the 20 Top Medical Device Companies

**HIGH TECHNOLOGY**
20 of the 20 Top HT Companies

**INSURANCE**
20 of the 20 Top Insurers

**LIFE SCIENCES**
20 of the 20 Top Pharmas

**MANUFACTU RING**
20 of the 20 Top Manufacturers *

**OIL AND GAS**
20 of the 20 Top OG Companies

**PROFESSIONAL SERVICES**
54,000+ Midsize Professional Services Firms

**PUBLIC SECTOR**
20 of the 20 Top Governments

**RETAIL**
20 of the 20 Top Retailers

**SUPPLY CHAIN**
20 of the 20 Top Supply Chains

**TRAVEL AND TRANSPORTATION**
20 of the 20 Top Airlines

**UTILITIES**
10 of the 10 Top Utilities

* IndustryWeek list of largest publicly held manufacturing companies based on revenue.

# Meet the Challenge with Oracle Academy

## The Challenge

There is a **global skills gap**

## The Solution

Create **awareness of careers in computer science** from an early age and encourage more students to **graduate with Computer Science degrees**

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# What is Oracle Academy?

Oracle's investment in computer science education and the development of future technologists, innovators, and leaders

Comprehensive and non-profit program supporting computer science and IT education pathways

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# Oracle – EU Digital Skills & Jobs Alliance Pledge

Train 1,000 EU educators in Computer Science, Java and Database instruction

1.4 Billion $ in direct & in kind investment

Reach students in + 1.000 additional educational institutions

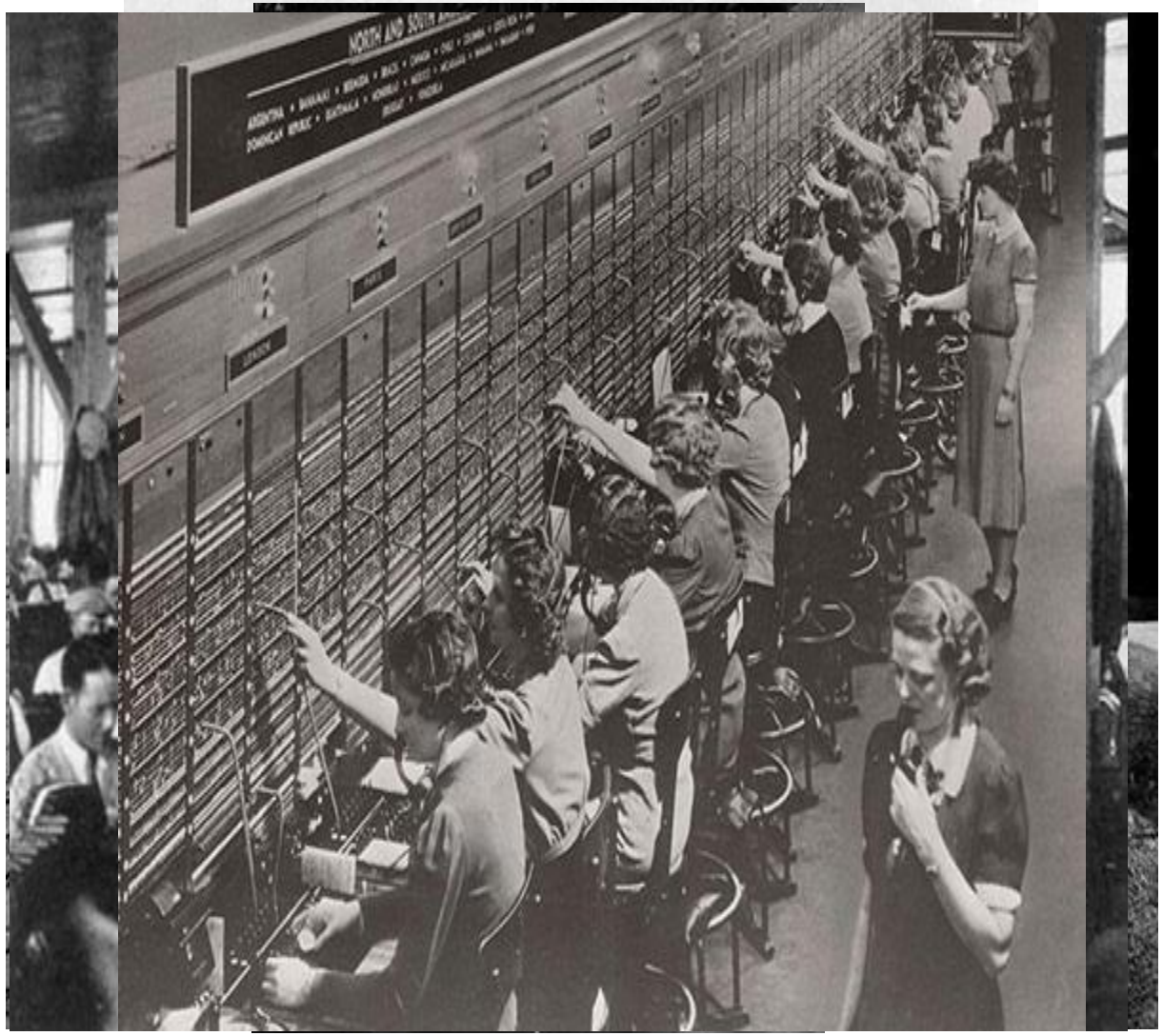
Collaborate with National Coalitions, provide free new curriculum (mapped to EQF standards) of emerging technologies

# E-Skills

Competitiveness, innovation and job creation in European industry are increasingly being driven by the use of **new ICT technologies** . This must be backed up by a **workforce with the knowledge and skills** to use these new technologies efficiently

As new technologies develop rapidly, the skills required to use them become **increasingly sophisticated** and need to be constantly updated. Individuals with creativity, innovation and higher-level conceptual skills are increasingly in demand

# Jobs that are no longer existing



# Jobs for the future

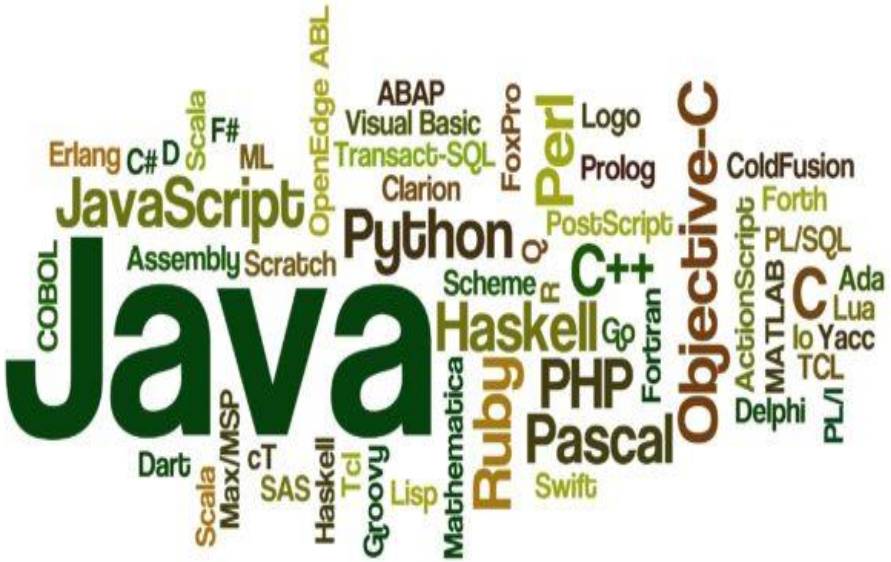
While some predictions for future jobs seem a little farfetched, it's important to remember how far technology has progressed over time

# ICT Jobs for the future

- John Maynard Keynes “Technilogical Unemployment”
- Research shows up to 60% of Jobs in 2030 are unknown today

# ICT Jobs for the future

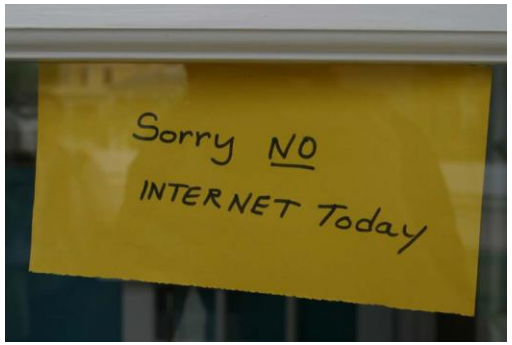
- Research has shown that 93% of all jobs will require basic knowledge of programming or computational thinking
- Research has shown that Data is the new gold currency.



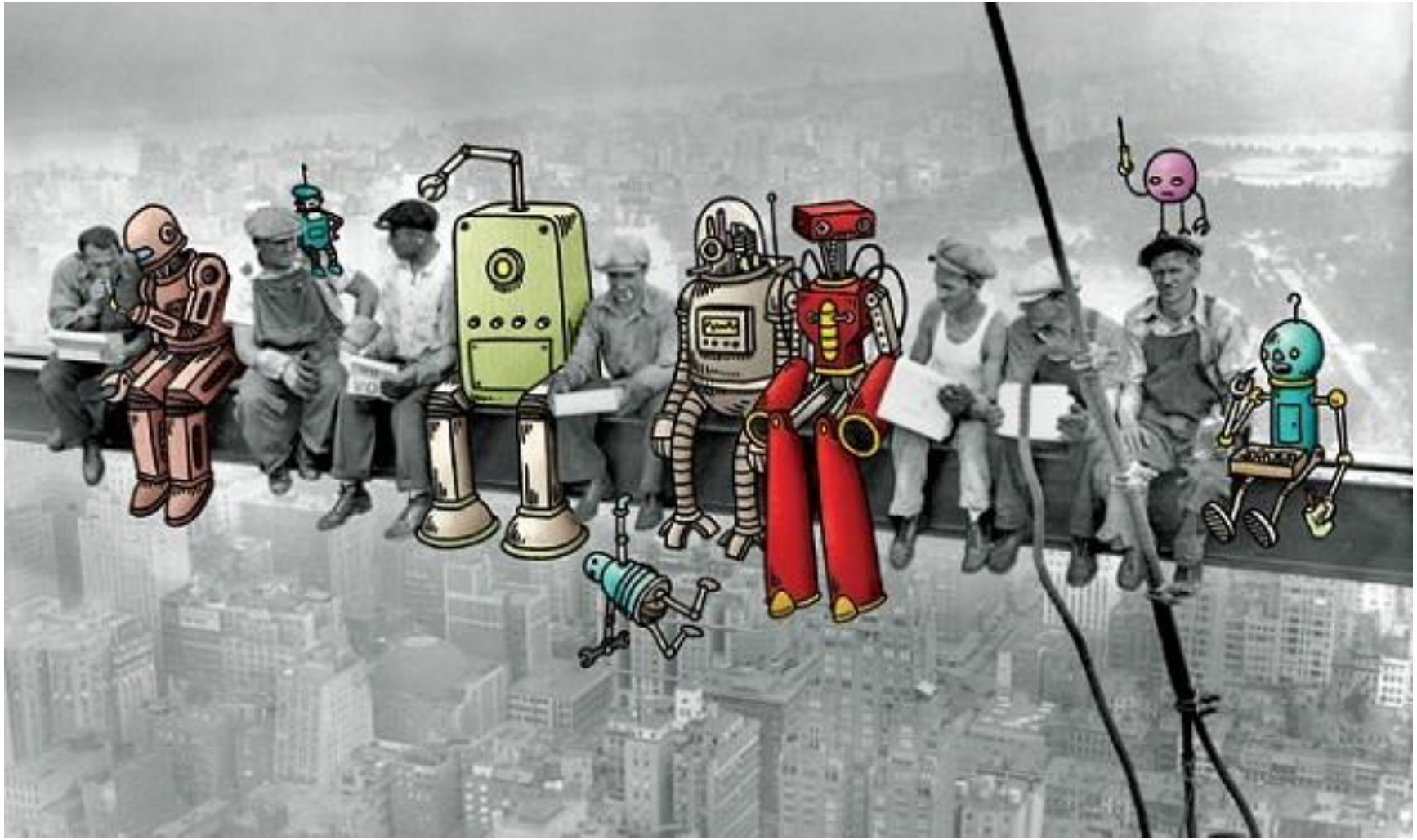
# ICT Jobs for the future

What are they then?

- Cryptocurrency Banker
- Artificial Intelligence creator
- Climate Controller
- Urban Sheperd or Vertical farmer
- Robotics Engineer
- 3D Printing Handyman
- Digital Death Manager
- Digital Detox Therapist
- Skype Stager
- Drone Drivers
- Body Part Engineer
- Nano Medic
- Avatar Manager



# ICT Jobs for the future



# Join the Oracle Academy Community

www.facebook.com/oracleacademy

@OracleAcademy

OracleAcademyChannel

academy_ww@oracle.com

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# ORACLE ACADEMY,
# Are you ready?

**Ángel González Bellas**
**Program Manager Spain**
**Oracle Academy**


**26th of April 2017**

**PUE DAY**
**Madrid, Spain**

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# Oracle Academy Spain

## Oracle Academy

**Training:**
In Class
Virtual+ In Class
Virtual
Workshop

**Technology:**
Cloud Environement
JAVA Development
Environement
Oracle Software

**Support:**
Information
Oracle Academy web page
Program Registration and Use.

**167**
Institutional Members

## Type of Insitutions:

Secondary School, Higher Education and Universities.

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# ORACLE ACADEMY,
# Are you ready?

**Àngel Garcia Caballero**
**Director of Education at PUE**


**26th of April 2017**

**PUE DAY**
**Madrid, Spain**

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# Oracle & PUE

PUE ha sido seleccionado por Oracle de forma exclusiva para la difusión, gestión y promoción de la red de centros Oracle Academy en España (oracle.pue.es).

PUE dispone un equipo de profesionales especializados que proporcionan soporte a los centros, formación para la implantación del proyecto y utilización de los recursos.

**Oracle Academy Event presenta a nivel nacional la iniciativa académica Oracle Student Campus con una gran aceptación**

28/04/2014

En un ciclo de jornadas celebradas los días 1, 2 y 3 de abril se realizó en Barcelona y Madrid el evento Oracle Academy Event, organizado por Oracle Iberia, PUE, Proyecto Universidad Empresa y la colaboración destacada de Certiuni, Plataforma de Certificación Universitaria, en la jornada dirigida al ámbito universitario.

# Implantación en España

Oracle ha seleccionado a PUE como Partner para la difusión, gestión y soporte a la red de centros Oracle Academy en España.

PUE da soporte a centros de formación activos Oracle Academy en toda España.
https://locator.pue.es/oracle/

Centros encontrados: 131

**CFP Aula Campus**
www.campusaula.com/
Passeig del Rajolar s/n
Burjassot, 46100

**C S Jaume Viladoms**
www.jviladoms.cat
c/ Cesar Torres 1-3
Sabadell, 08205

**Centre d'Estudis Monlau**
www.monlau.es
c/ Monlau, 2-10
Barcelona, 08027

**CEPA Enrique Tierno Galván**
Calle General Benavent García, 21 bis
Ciudad Real, 13600

**CESTE SL**
www.ceste.es/
Paseo Infantes de España, 3
Zaragoza, 50012

**Colegio JOYFE**
Calle de Vital Aza , 65
Madrid, 28017

# ¿Qué es Oracle Academy?

## Oracle Academy

Completo portfolio de software, curriculum, formación, soporte y recursos de certificación para impartir formación oficial en tecnologías Oracle

**3.1 million+**
students impacted

**110**
countries worldwide

**Acceso** a las tecnologías que mueven la industria

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# Enfoque de Oracle Academy

| | |
|---|---|
| **Interés** | Los docentes buscan materiales para impartir planes formativos en informática incluyendo programación, bases de datos… |
| ⬇ | |
| **Oportunidad** | El programa Oracle Academy incluye recursos que facilitan la enseñanza en materias como programación Java y las bases de datos Oracle y MySQL. |
| ⬇ | |
| **Éxito** | Los centros tienen acceso a recursos didácticos en tecnologías Oracle aplicables a los currículos reglados a impartir |

# Why Invest in Computer Science Education with Oracle Academy?

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## Benefits to Institutions

- Full academic curriculum in vendor neutral, foundational concepts, skills and technologies
- Additional learning resources to support flipped classrooms and supplement learning
- Support to credit levelling and mapping
- College and career ready, industry literate students

## Benefits to Government

- Cultivate industry literate, college and career ready students
- Be a global leader with innovative education
- Support economic growth

## Benefits to Students

- Demonstrable skills and knowledge aligned to industry
- Path to industry certification
- More attractive to colleges and employers

## Benefits to Business

- New employees with solid core CS skills and knowledge
- New hires experienced with current technologies
- Industry certified individuals

## Key Outcomes

- Increased CS education level across population
- Increased economic growth potential – individuals, regions and nations
- Globally competitive students and workers

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# Servicios de PUE

- Formación y videoconferencias para los docentes acerca de la puesta en marcha del programa y la uso de los recursos disponibles.
- Soporte y resolución de consultas para el mejor encaje del programa a la oferta formativa del centro.
- Documentación propia específica, guías paso a paso, etc., sobre el uso de los recursos.
- Realización de gestiones operativas del proyecto: acceso a la plataforma elearning, material docente, certificaciones, libros Oracle Press, etc.
- Comunicación y envío de notificaciones en castellano con las novedades que se incorporan al programa.
- Gestión directa con Oracle en la operativa del proyecto.

# Videoconferencias divulgativas del programa

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- ¿En qué consiste?
- Beneficios
- Certificaciones
- Formación elearning
- Formación de instructores
- Inscripción

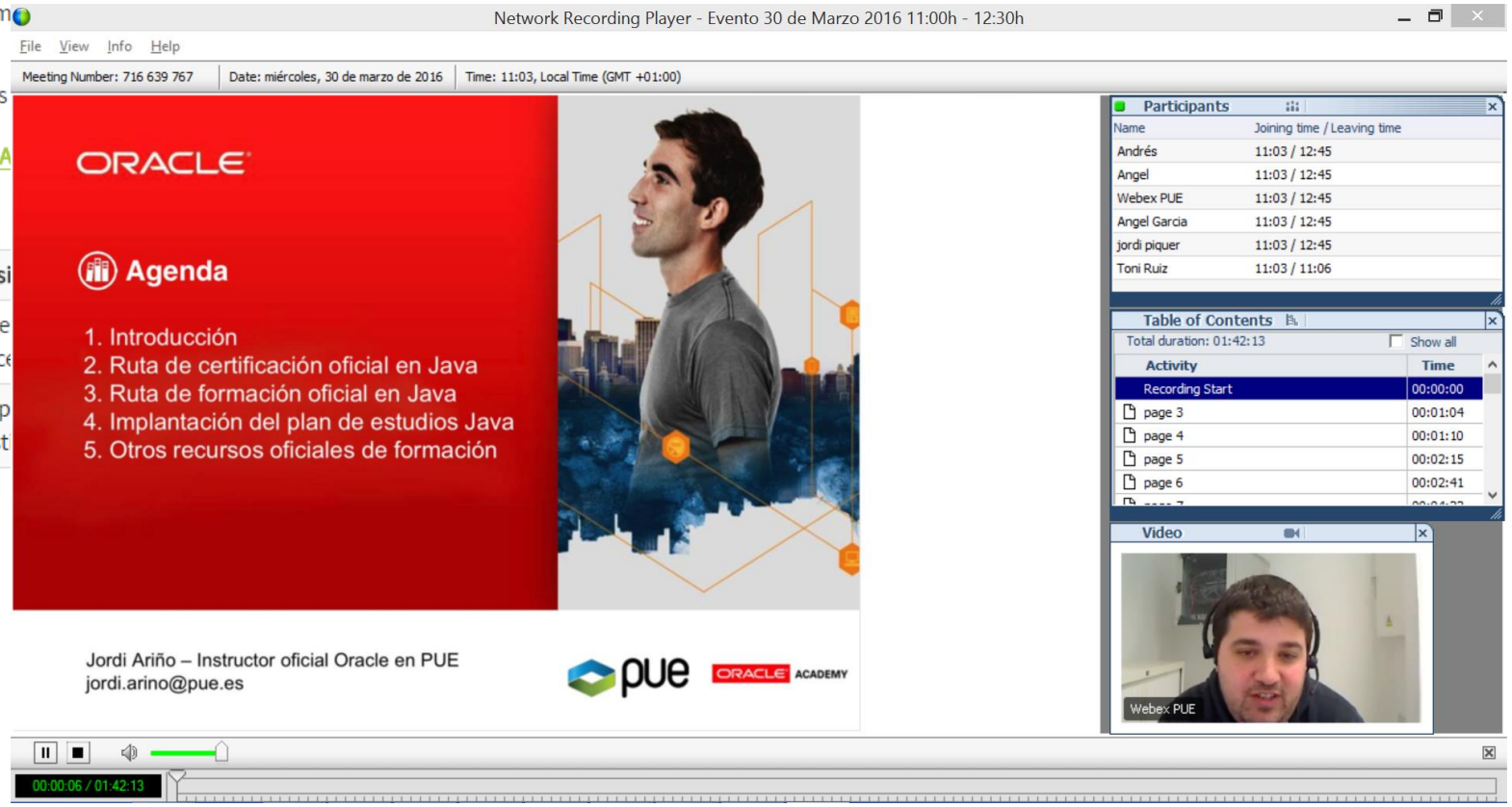
PUE realiza sesiones de formación a los centros en formato video-conferencia (webinars) sobre la puesta en marcha, implementación y utilización del program
programa educativo.

Tienen acceso a estas sesiones los centros

CALENDARIO DE FORMACIÓN ORACLE ACA

Formato: video-conferencia / webinars

| Fecha y hora del evento | Sesi |
|---|---|
| Marzo 2017 | Pue<br>Acce |
| Junio 2017 | Imp<br>inst |

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https://www.pue.es/educacion/oracle-academy/formacion-de-instructores

# Beneficios de Oracle Academy

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## Community

**BADGES, LOGOS & MERCHANDISE**

**ENGAGE WITH EXPERTS**

Java.net

ORACLE TECHNOLOGY NETWORK

**ORACLE OPEN WORLD & JAVA ONE**

ORACLE OPEN WORLD

JavaOne

## Certification

**CERTIFICATION PREPARATION & EXAMS**

**50% OFF Preparation**

ORACLE CERTIFICATION PROGRAM

**25% OFF Exams**

## Training

**FACULTY PROFESSIONAL DEVELOPMENT**

IN-CLASS TRAINING

VIRTUAL +IN-CLASS TRAINING

VIRTUAL INSTRUCTOR LED

**INDIVIDUAL LEARNING**

WORKSHOPS IN A BOX

SELF-SERVICE RESOURCES

## Learning Resources

**CURRICULUM**

**ORACLE PRESS BOOKS**

Oracle Press

**LECTURE SERIES**

**TECHNICAL ARTICLES**

ORACLE MAGAZINE Java magazine

**WEBCASTS & PODCASTS**

## Technology

**CLOUD ENVIRONMENTS**

ORACLE Application Express

**JAVA DEVELOPMENT ENVIRONMENTS**

Alice

eclipse

NetBeans

**ORACLE SOFTWARE**

ORACLE DATABASE

ORACLE FUSION MIDDLEWARE

ORACLE E-BUSINESS SUITE

# Beneficios del programa

- Portal privado para miembros
- Certificaciones oficiales
- eLearning
- Software
- Recursos de Marketing
- Oracle Press

# Beneficios del programa

# Portal privado para miembros

https://academy.oracle.com

Permite acceder a los beneficios y recursos disponibles con Oracle Academy, así como información de la membresía e información adicional de interés.

# Beneficios del programa

- Portal privado para miembros
- Certificaciones oficiales
- eLearning
- Software
- Recursos de Marketing
- Oracle Press

# Certificaciones oficiales

La credencial ***Oracle Certified Associate (OCA)*** valida las habilidades y conocimientos fundamentales que forman una base sólida de conocimiento en los productos de Oracle. Convertirse en Oracle Certified Associate es el primer paso que se debe tomar para convertirse en un profesional certificado de Oracle.

La credencial ***Oracle Certified Professional (OCP)*** es el punto de referencia de la cualificación profesional y experiencia técnica en productos de Oracle. Valida la capacidad para administrar, desarrollar o implementar una amplia gama de productos de Oracle, incluyendo bases de datos, desarrollo de aplicaciones en Java y más. En las empresas a menudo se utiliza la credencial OCP para evaluar las habilidades y experiencia de los empleados y/o posibles candidatos.

La credencial ***Oracle Certified Expert (OCE)*** valida experiencia y habilidades en tecnologías específicas, arquitecturas o dominios que no están cubiertos específicamente dentro del path de certificaciones estándar o tradicional.

# Certificaciones oficiales exclusivas para centros Oracle Academy

Examen 1Z0-006:
Oracle Database Foundations

Examen 1Z0-811:
Java Foundations

**Sólo** los alumnos formados en un centro Oracle Academy tendrán acceso a los exámenes **1Z0-006: ORACLE Database Foundations y 1Z0-811: Java Foundations**, que, una vez superados, otorgan al alumno la acreditación:

**Oracle Database Foundations Certified Junior Associate**

**Java Foundations Certified Junior Associate**

# 1ZO-811: Java Foundations

## 1Z0-811: Java Foundations

- Plataforma: Java SE 8
- Duración: 150 minutos
- Núm. Preguntas: 75 preguntas
- Nota aprobado: 65 %

Precio: **61,50 € + IVA**

Contenidos

What is Java?
Java Basics
Basic Java Elements
Working with Java Data Types
Working with Java Operator
Working with the String Class
Working with the Random and Match Classes
Using Decision Statements
Using Looping Statements
Debugging and Exception Handling
Arrays and ArrayLists
Classes and Constructors
Java Methods

# 1Z0-006: Oracle Database Foundations

## 1Z0-006: Oracle Database Foundations

- Plataforma: Oracle Database v12.1.0.2.0.
- Duración: 150 minutos
- Núm. Preguntas: 75 preguntas
- Nota aprobado: 60 %

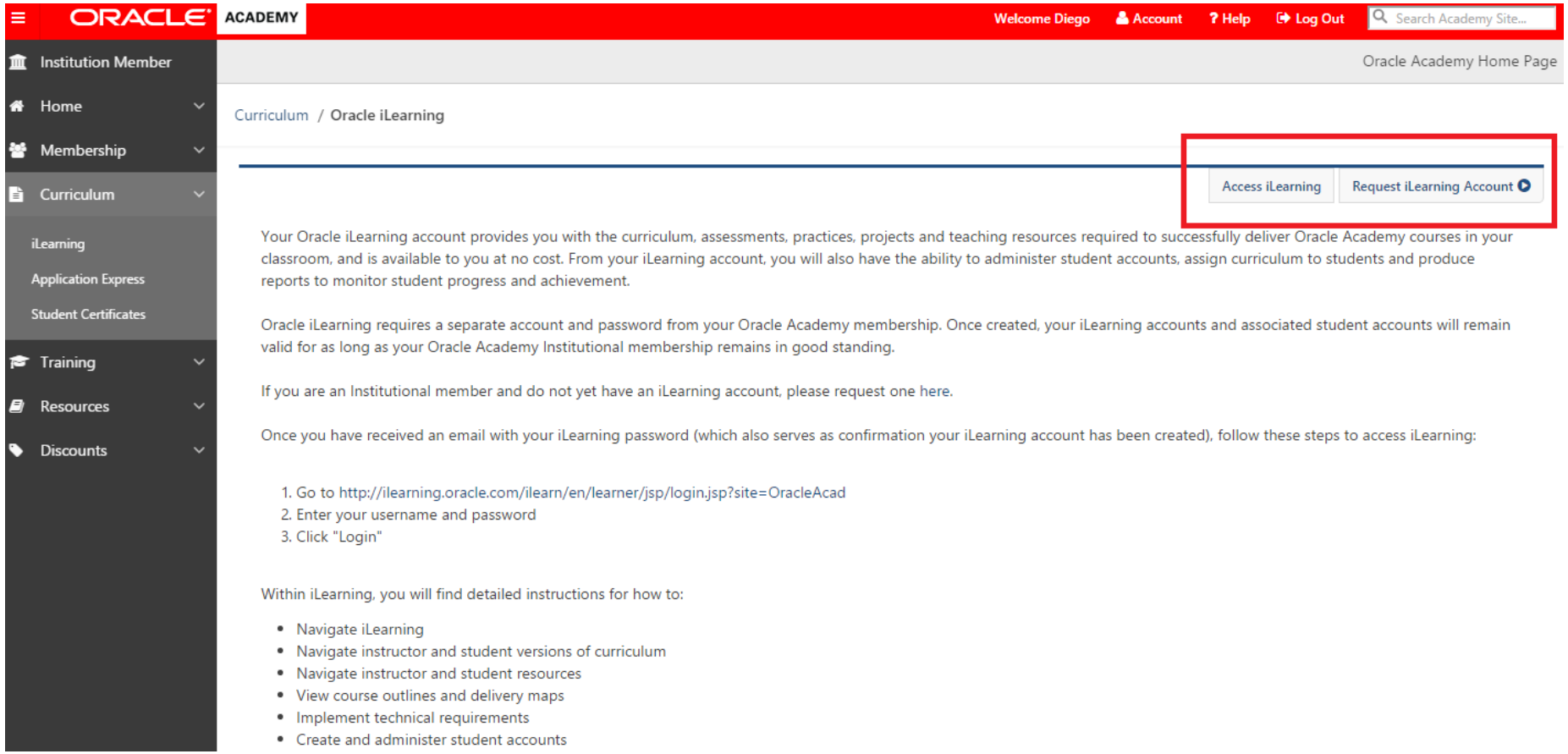
Contenidos

What is a Database?
The Language of Database and Data Modeling
Data Modeling – Creating the Physical Model
Mapping the Physical Model
Introduction to SQL

Precio: **61,50 € + IVA**

# Beneficios del programa

# Plataforma elearning: Oracle iLearning



# Plataforma elearning: Oracle iLearning

# Plataforma elearning: Oracle iLearning

| | |
|---|---|
| 90 h - Castellano/Inglés | • Java Foundations |
| 90 h - Castellano/Inglés | • Fundamentos de Java |
| 90 h - Inglés | • Programación en Java |
| 90 h - Castellano/Inglés | • Database Foundations |
| 180 h - Castellano/Inglés | • Programación y diseño de base de datos con SQL |
| 180 h - Inglés | • Programación con PL/SQL |

# Cursos disponibles con Oracle Academy

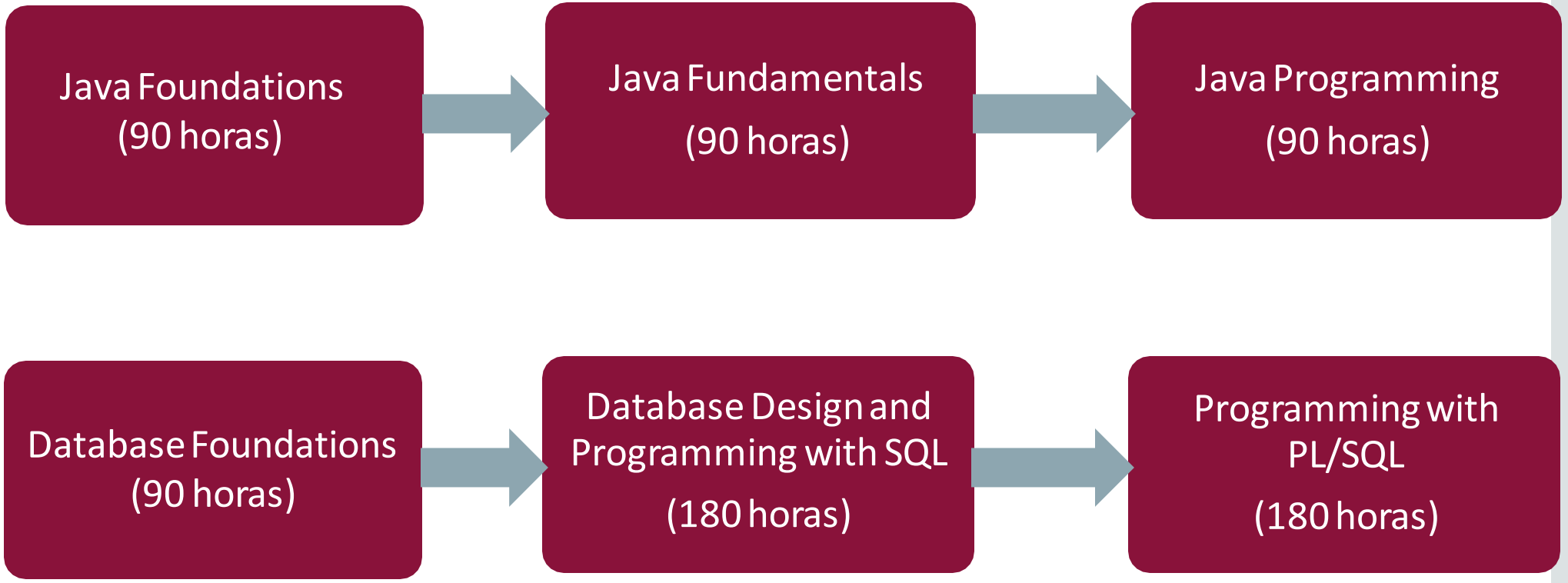
Talleres

Alice

Greenfoot

Finch Robot - Greenfoot

Finch Robot - Java

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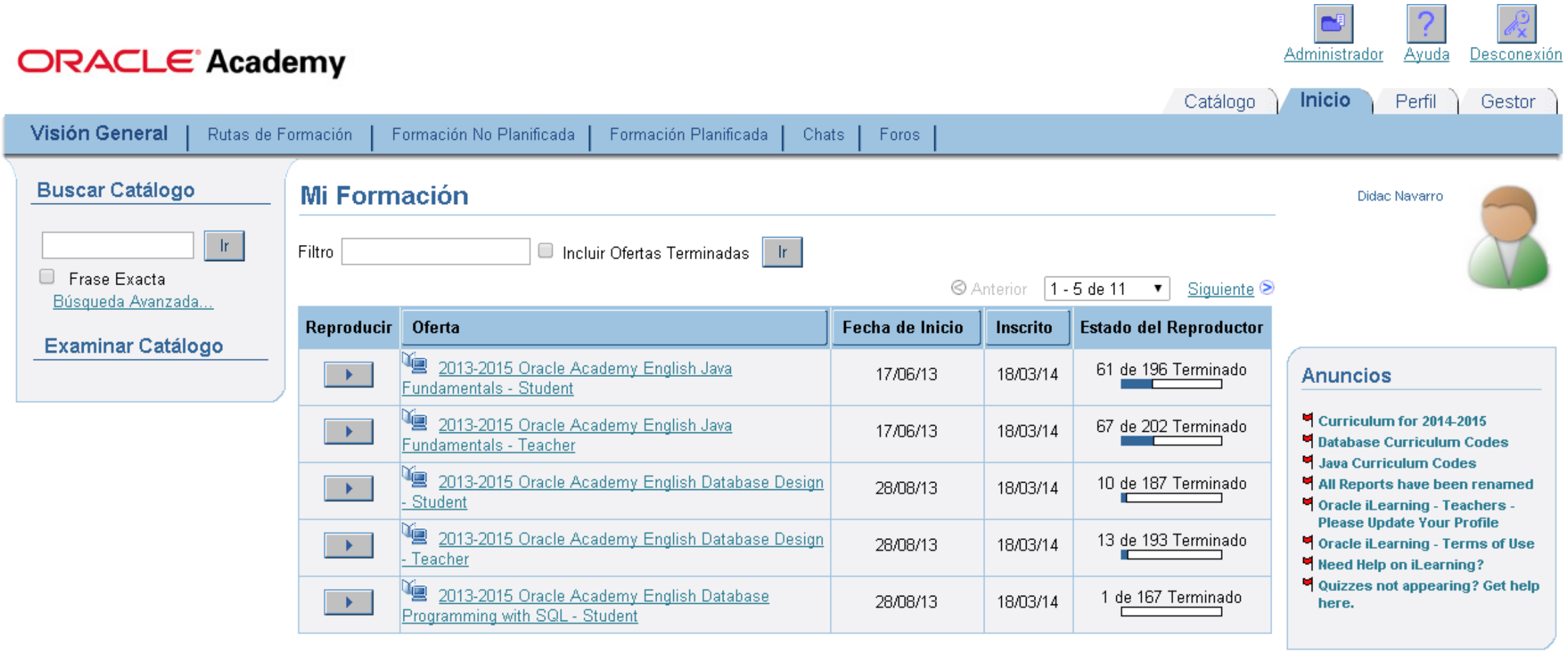
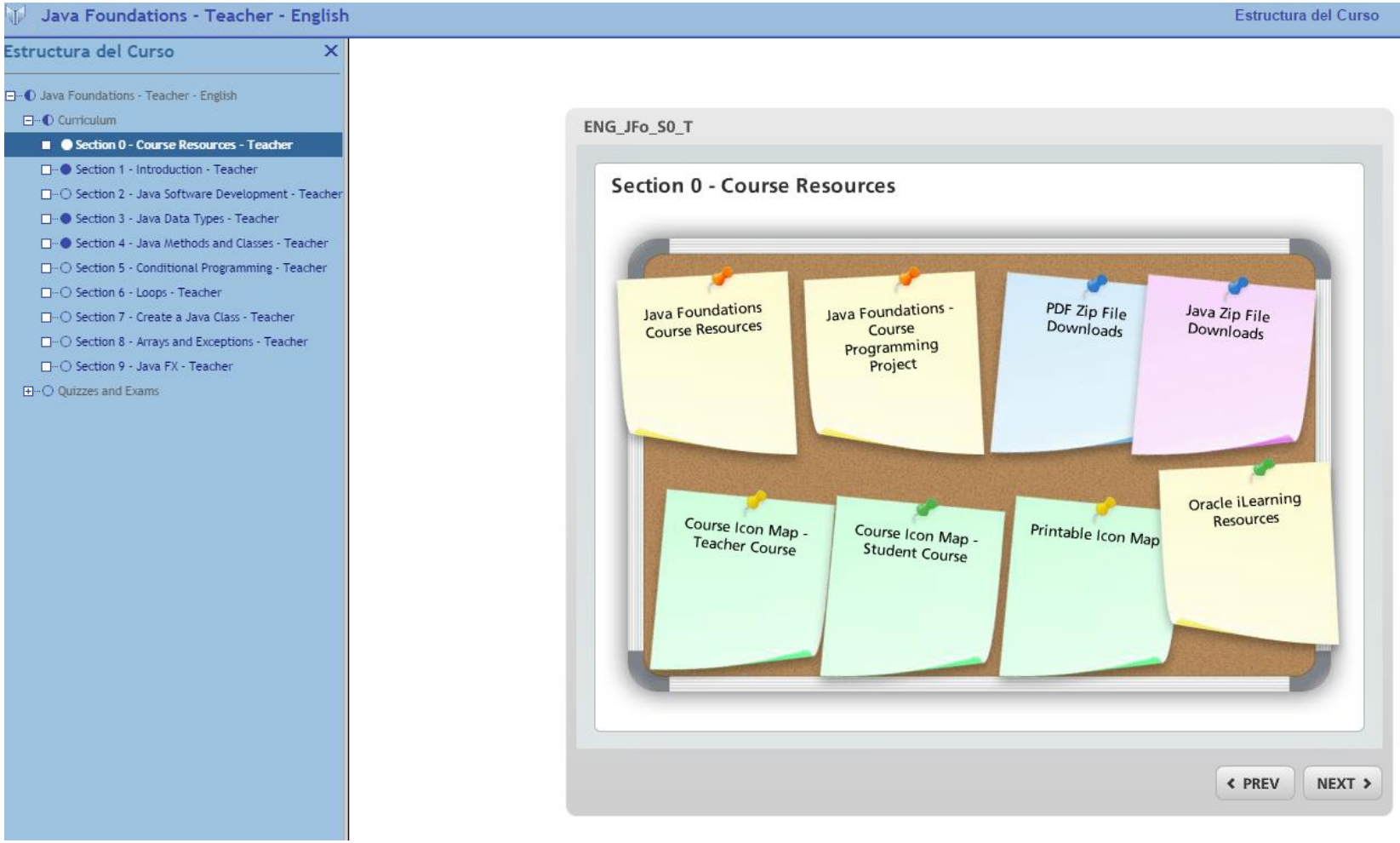
# Plataforma elearning: Oracle iLearning



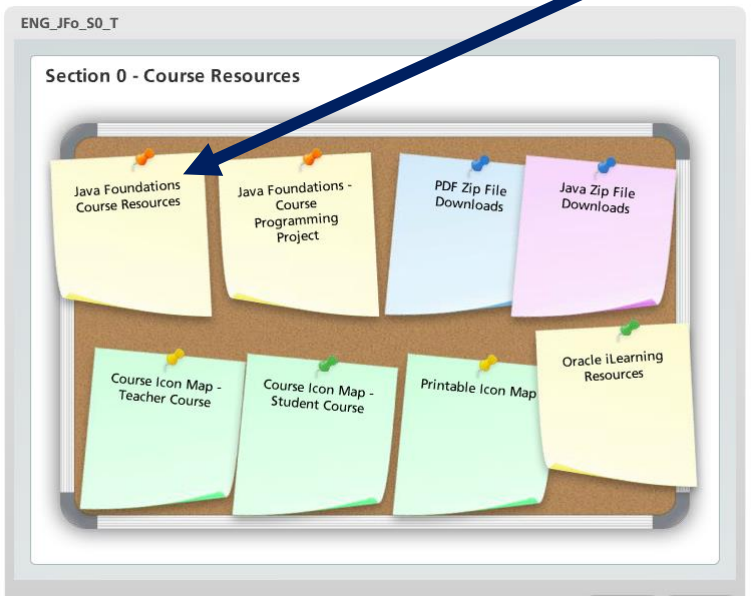
# Plataforma elearning: Oracle iLearning

**Nuevo Formato Curso online**

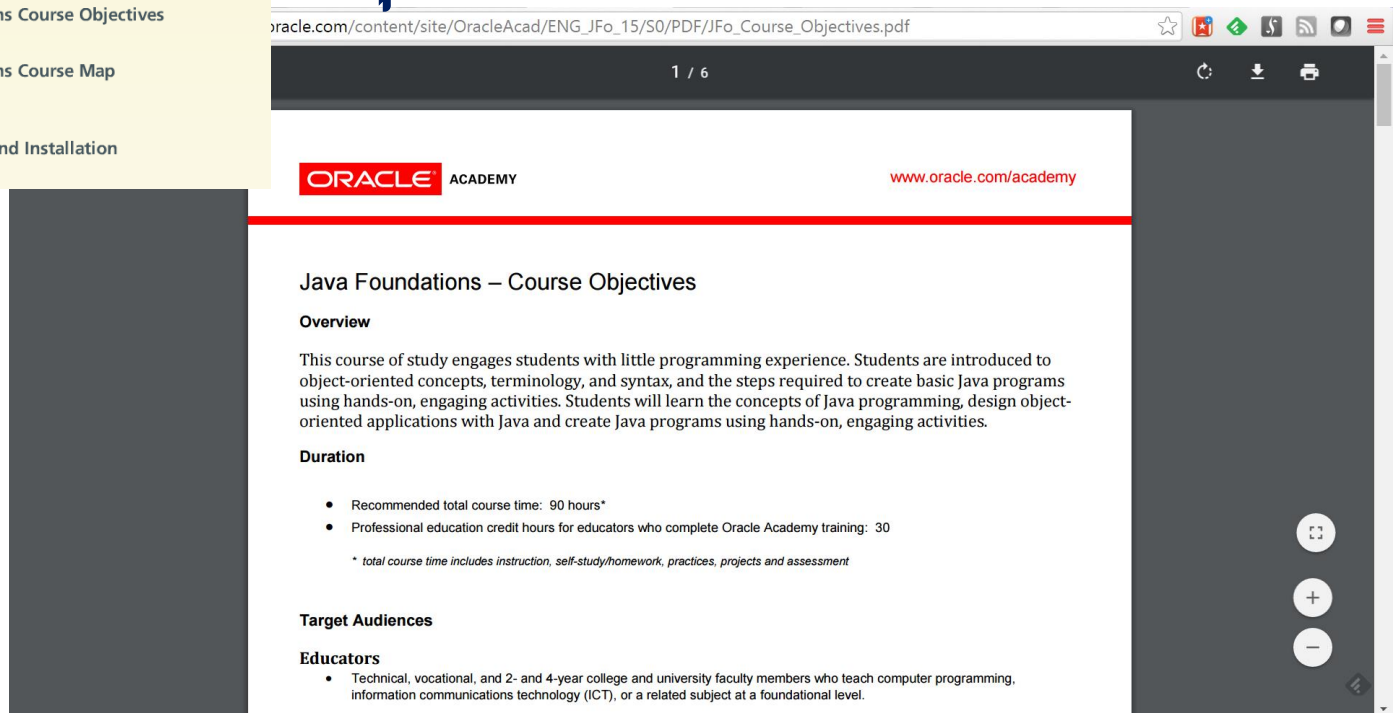



Página inicial con acceso a todos los recursos para la impartición del curso

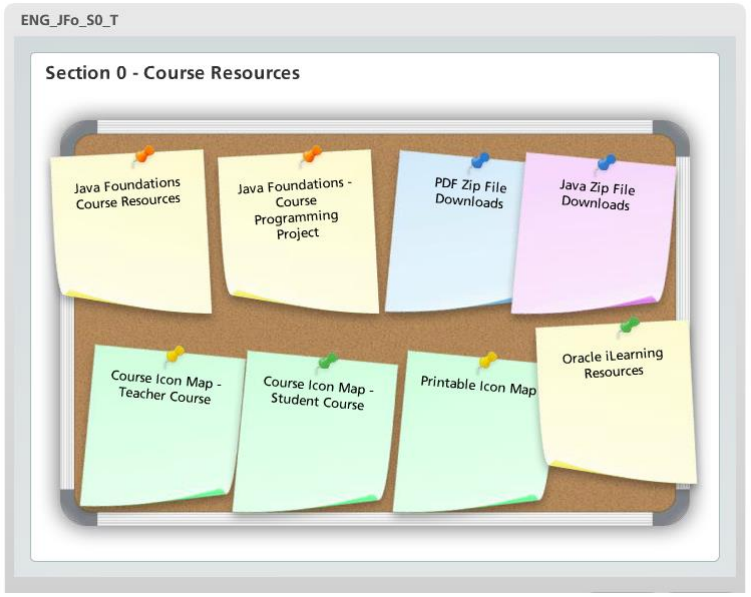
# Plataforma elearning: Oracle iLearning

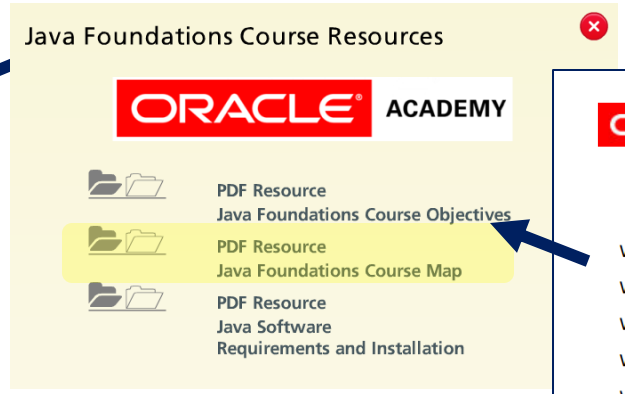


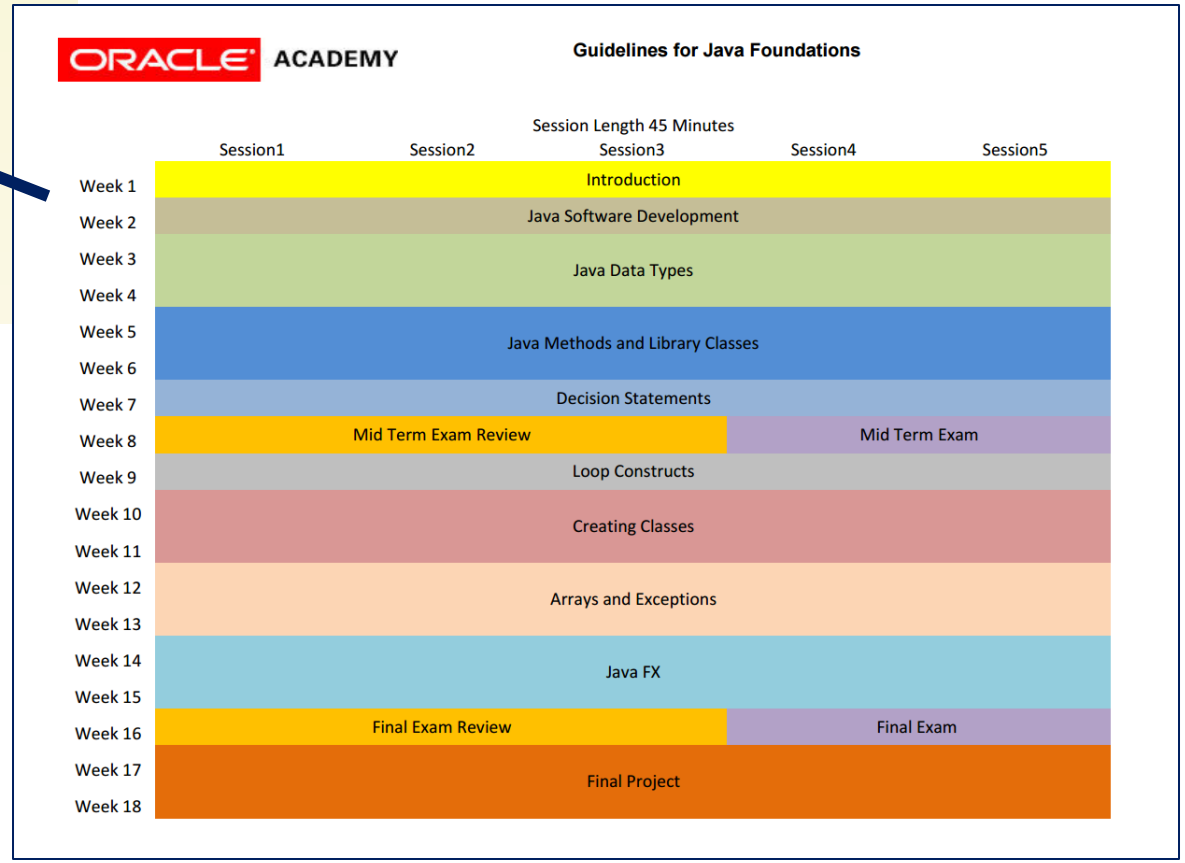
Resumen de objetivos del curso



# Plataforma elearning: Oracle iLearning

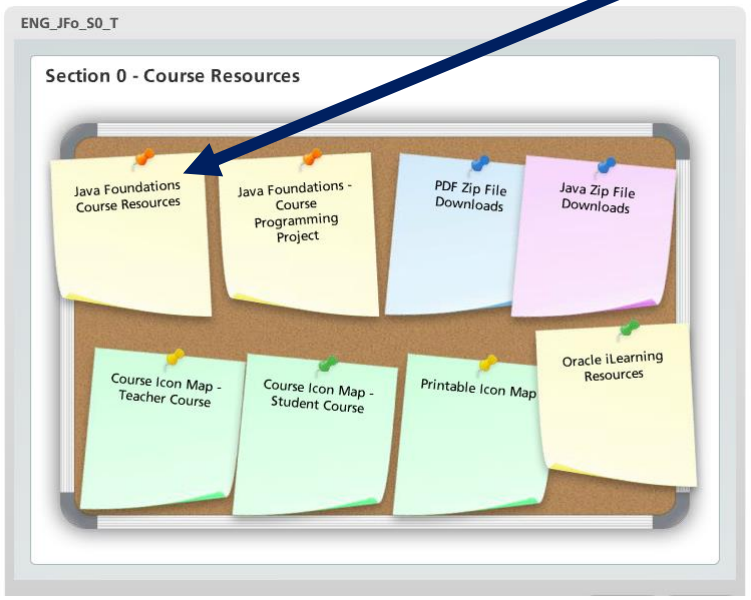


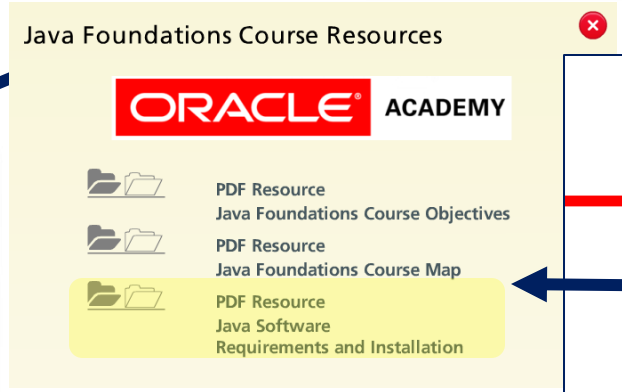



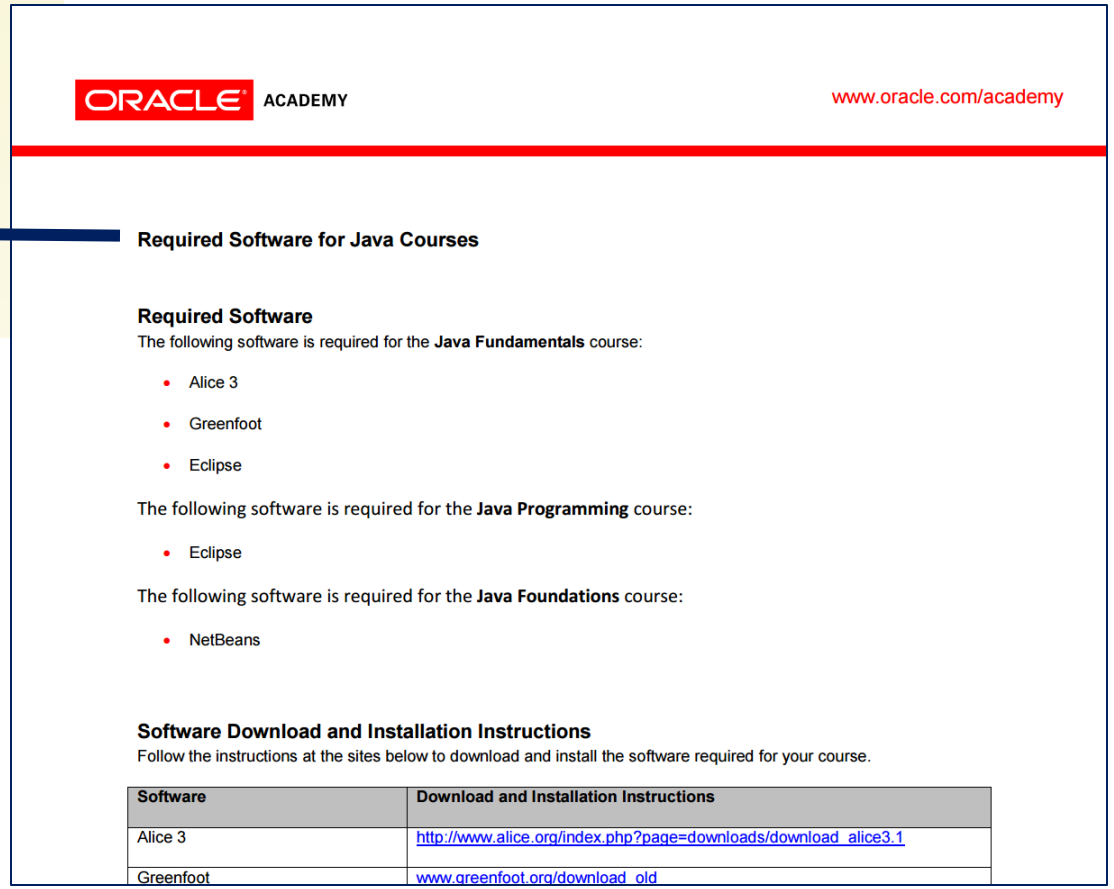




Planificación del curso en capítulos, semanas y sesiones

# Plataforma elearning: Oracle iLearning



ORACLE ACADEMY www.oracle.com/academy

**Required Software for Java Courses**

**Required Software**

The following software is required for the **Java Fundamentals** course:

- Alice 3
- Greenfoot
- Eclipse

The following software is required for the **Java Programming** course:

- Eclipse

The following software is required for the **Java Foundations** course:

- NetBeans

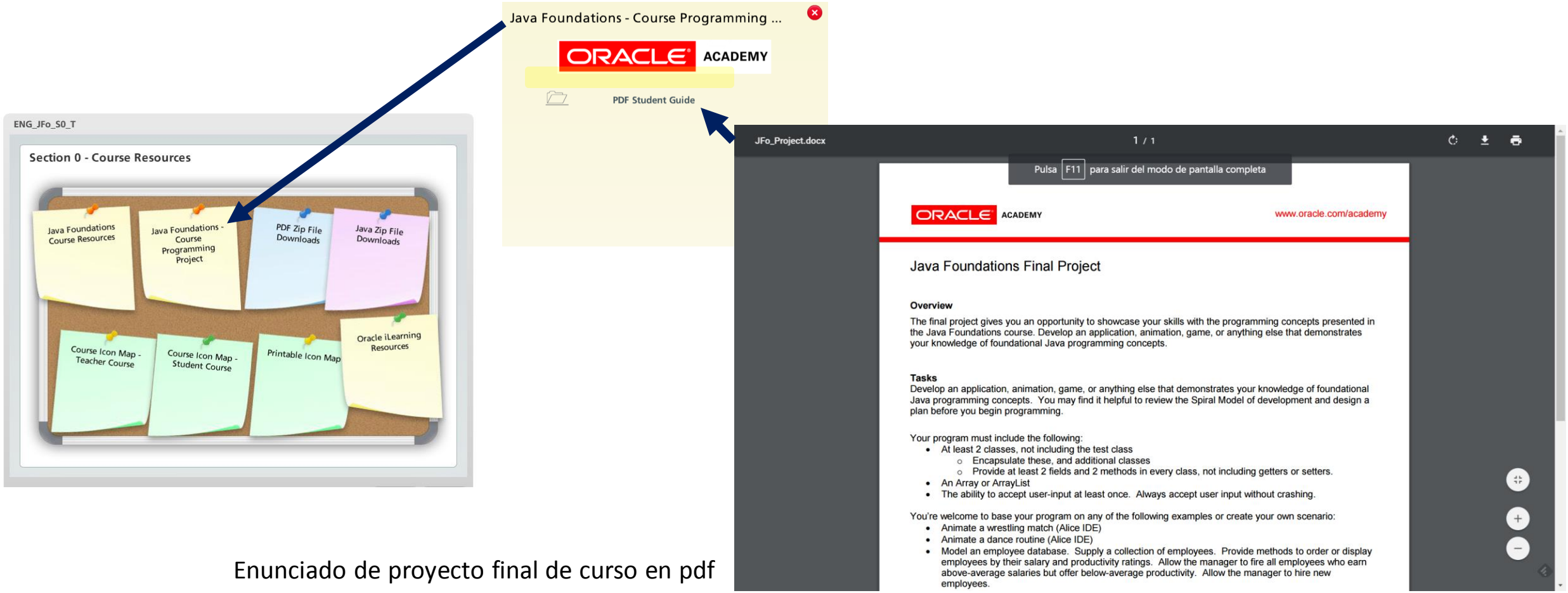
**Software Download and Installation Instructions**

Follow the instructions at the sites below to download and install the software required for your course.

| Software | Download and Installation Instructions |
|---|---|
| Alice 3 | http://www.alice.org/index.php?page=downloads/download_alice3.1 |
| Greenfoot | www.greenfoot.org/download_old |

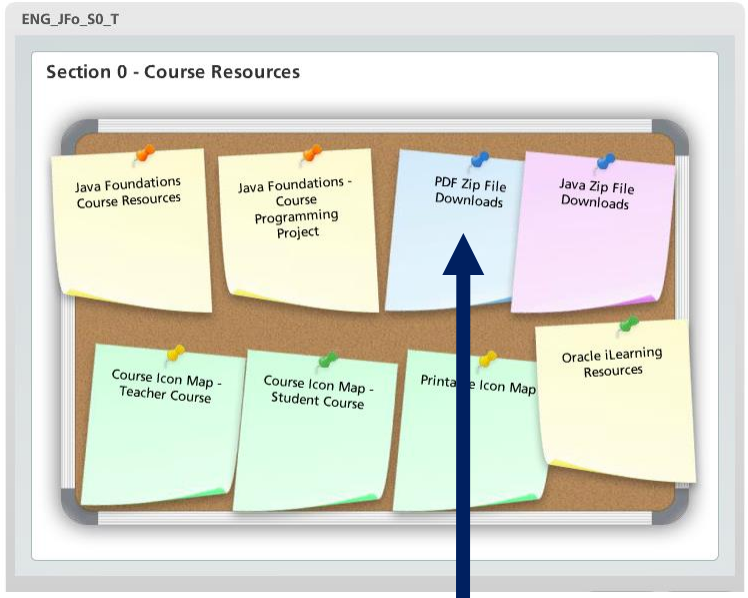
Documento resumen con requisitos software para la impartición del curso, urls de descarga e instrucciones de instalación

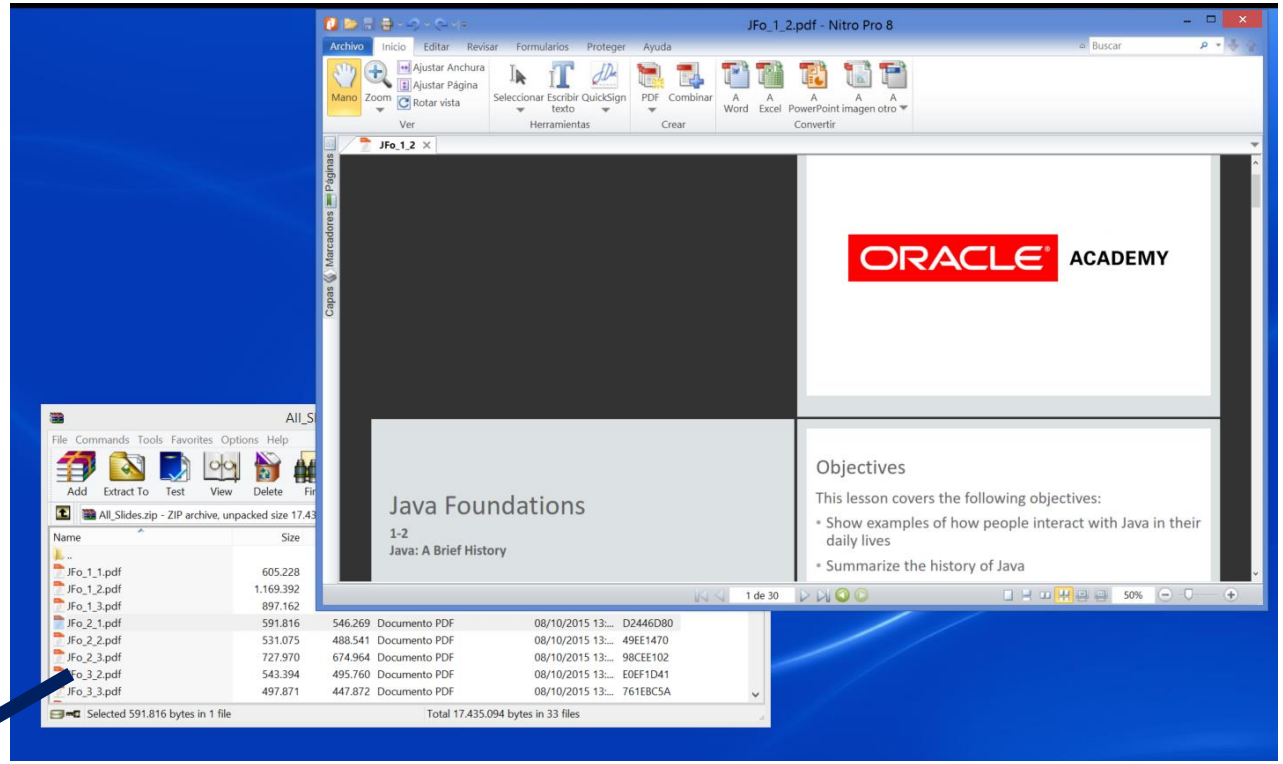
# Plataforma elearning: Oracle iLearning




Enunciado de proyecto final de curso en pdf

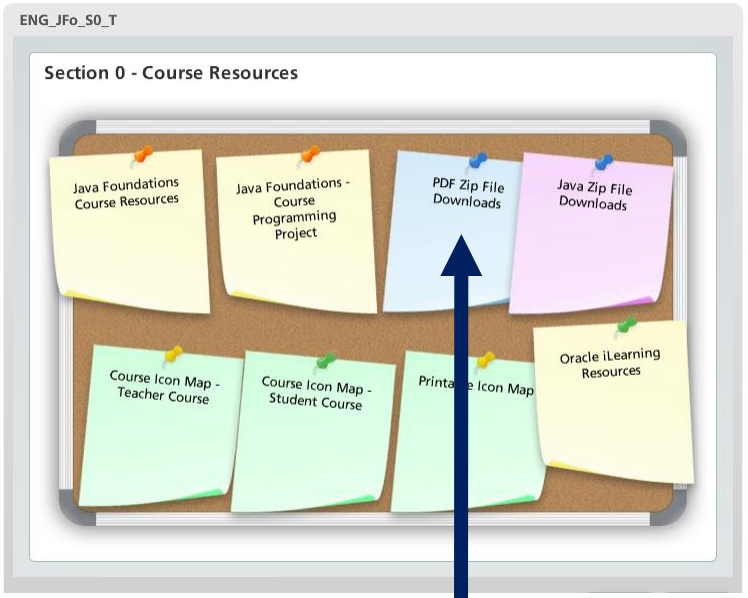
# Plataforma elearning: Oracle iLearning

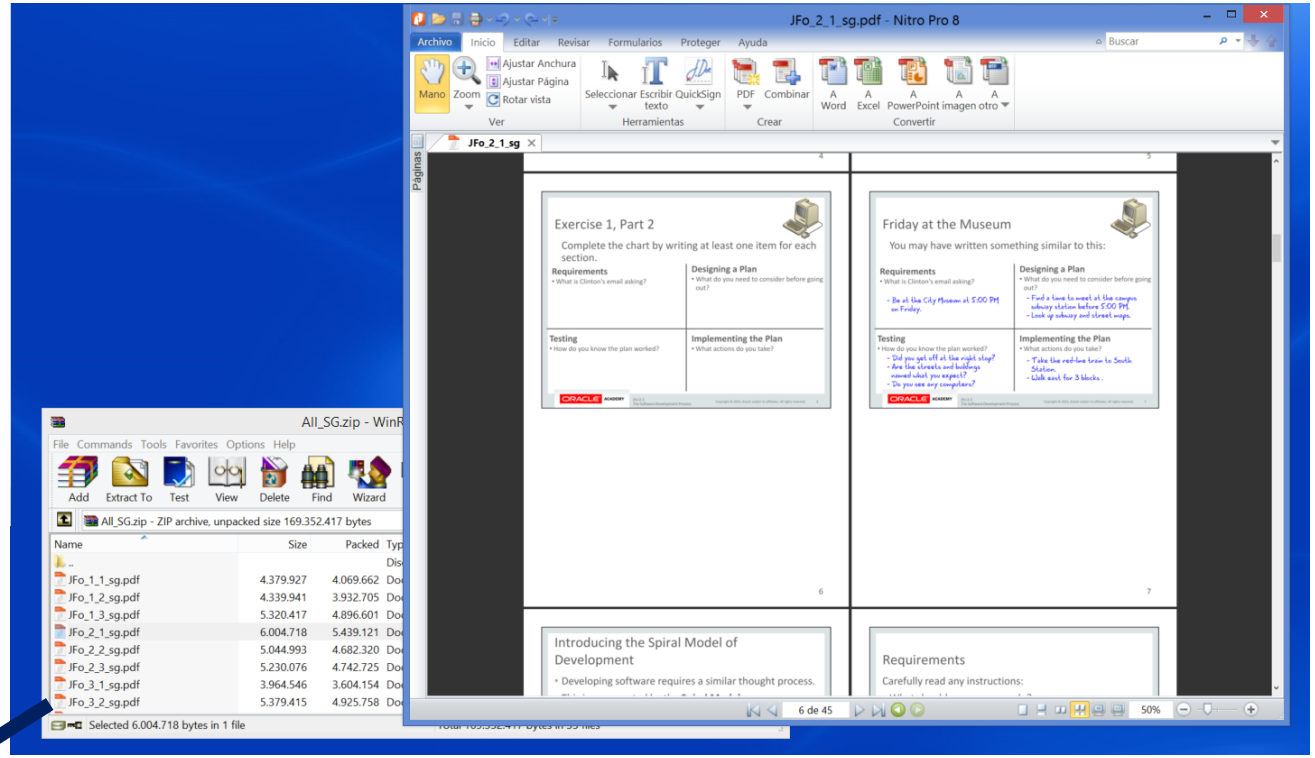





Ficheros con las transparencias de cada capítulo

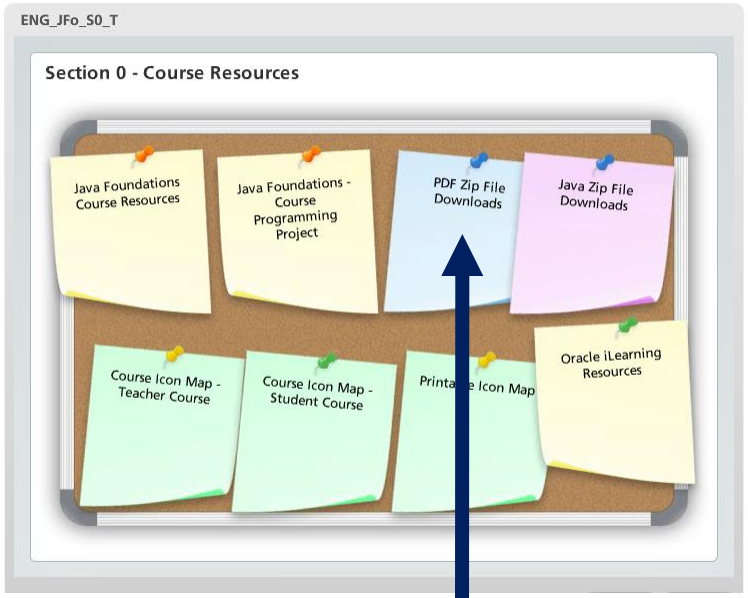
# Plataforma elearning: Oracle iLearning

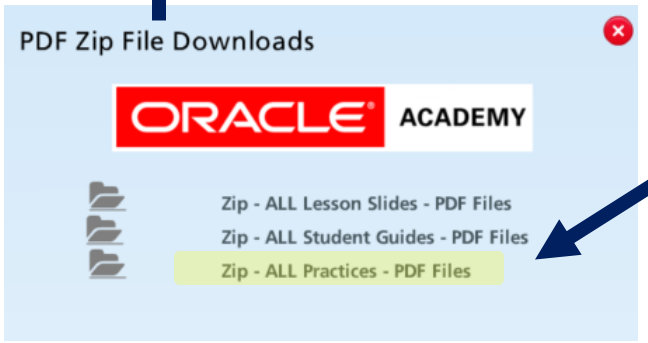


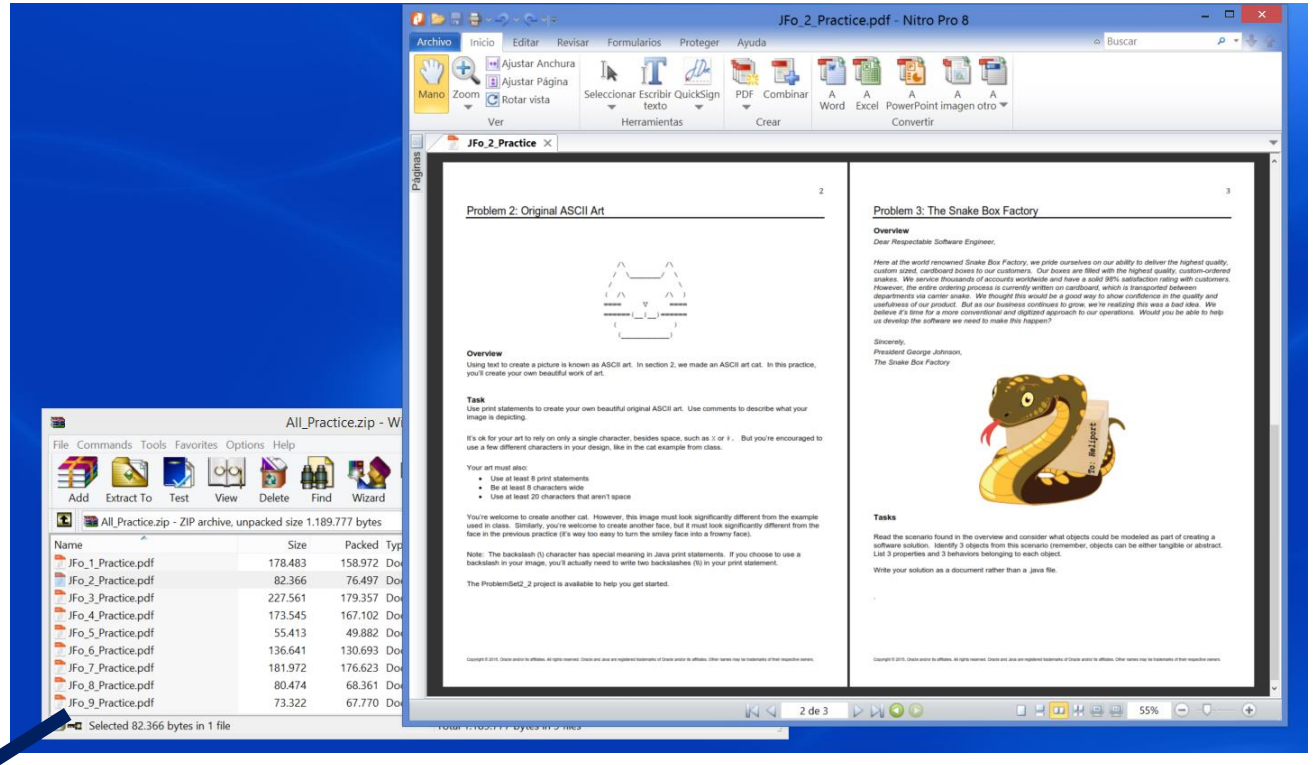



Transparencias para los estudiantes montadas en A4 para poder tomar notas

# Plataforma elearning: Oracle iLearning

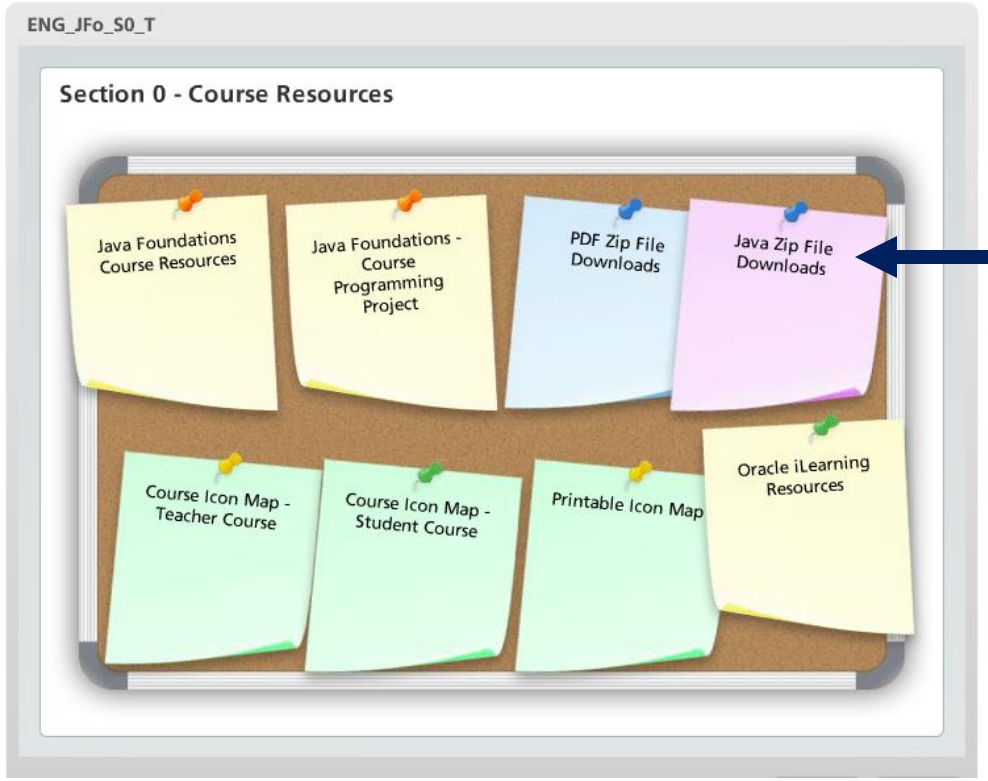


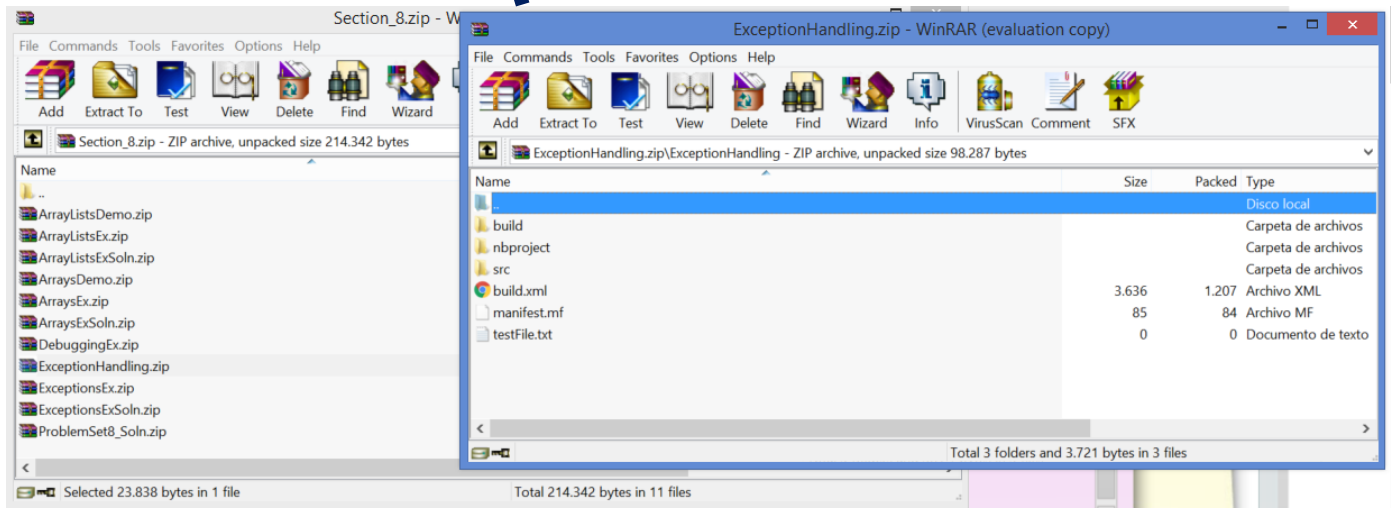




Enunciados de las prácticas de cada capítulo

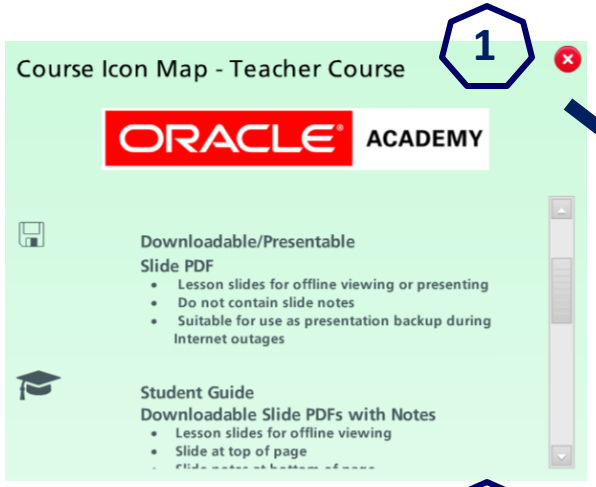
# Plataforma elearning: Oracle iLearning

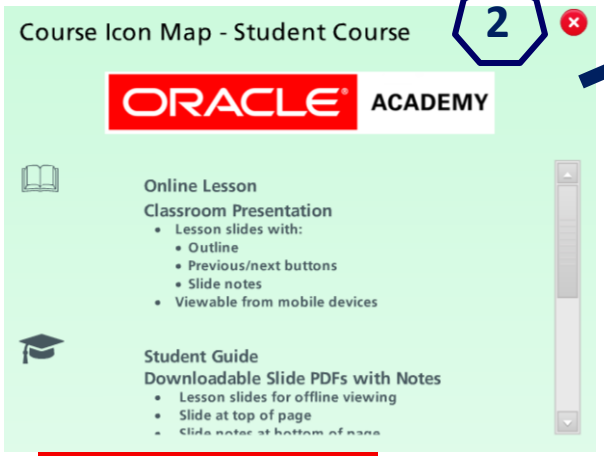


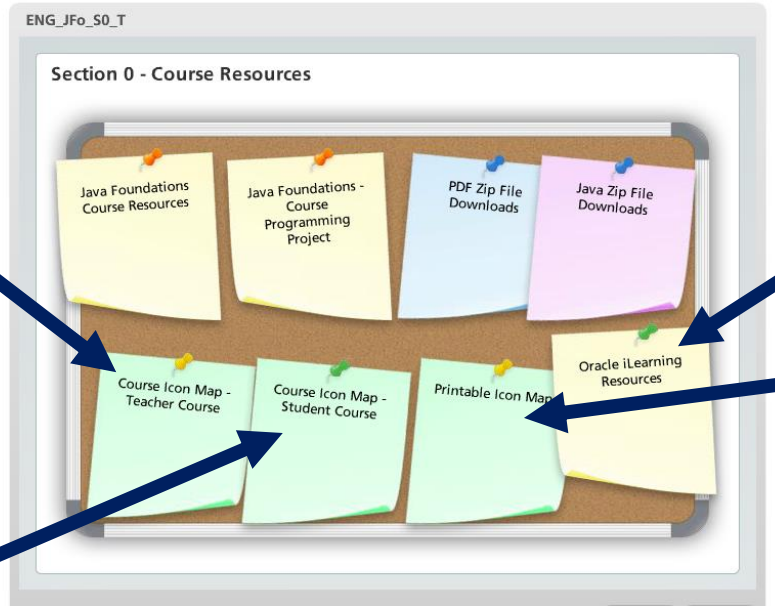


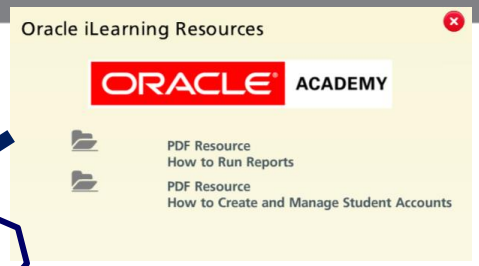

Ficheros para la resolución de ejercicios de capítulo

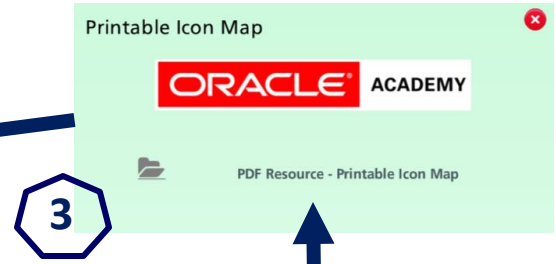
# Plataforma elearning: Oracle iLearning

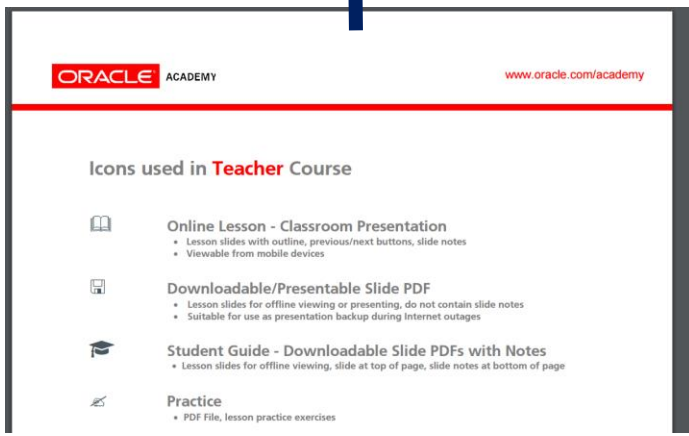


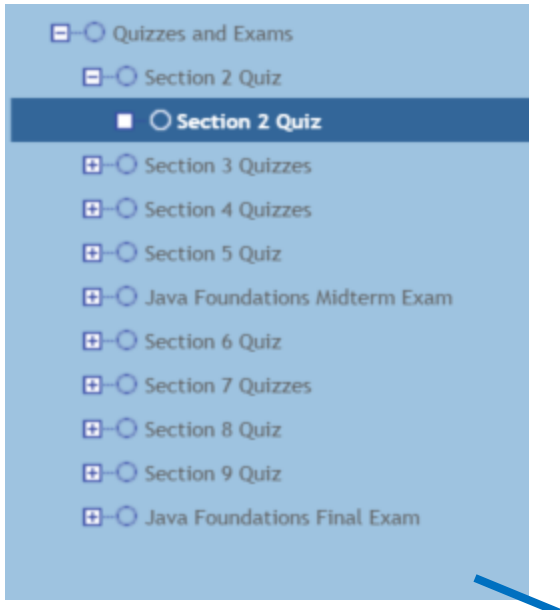



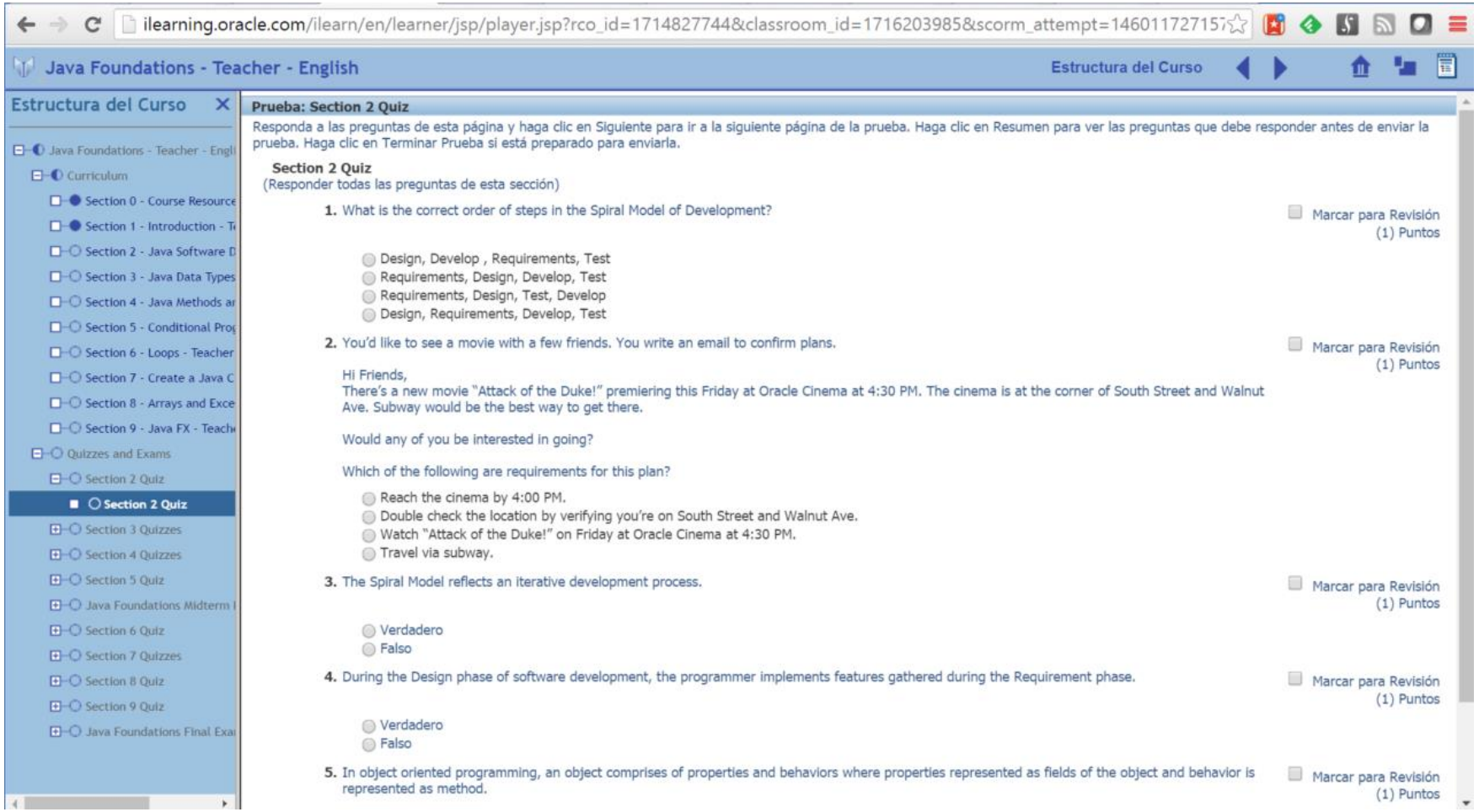




1. Mapa de iconos de la versión de curso del docente
2. Mapa de iconos de la versión de curso del alumno
3. Mapa de iconos en pdf de ambas versiones,
4. Manuales en pdf de la plataforma:
    4.1. Como ejecutar informes,
    4.2. Como crear y gestionar cuantas de alumnos

# Plataforma elearning: Oracle iLearning




**Tests de capítulo**

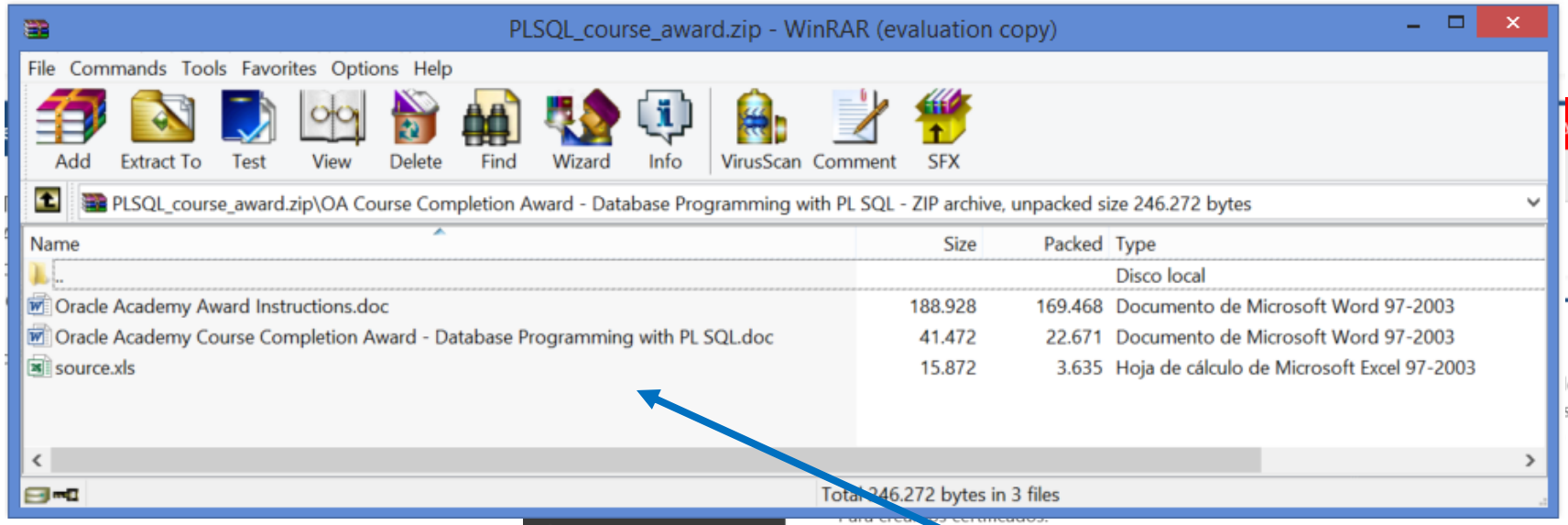
# Plataforma elearning: Oracle iLearning

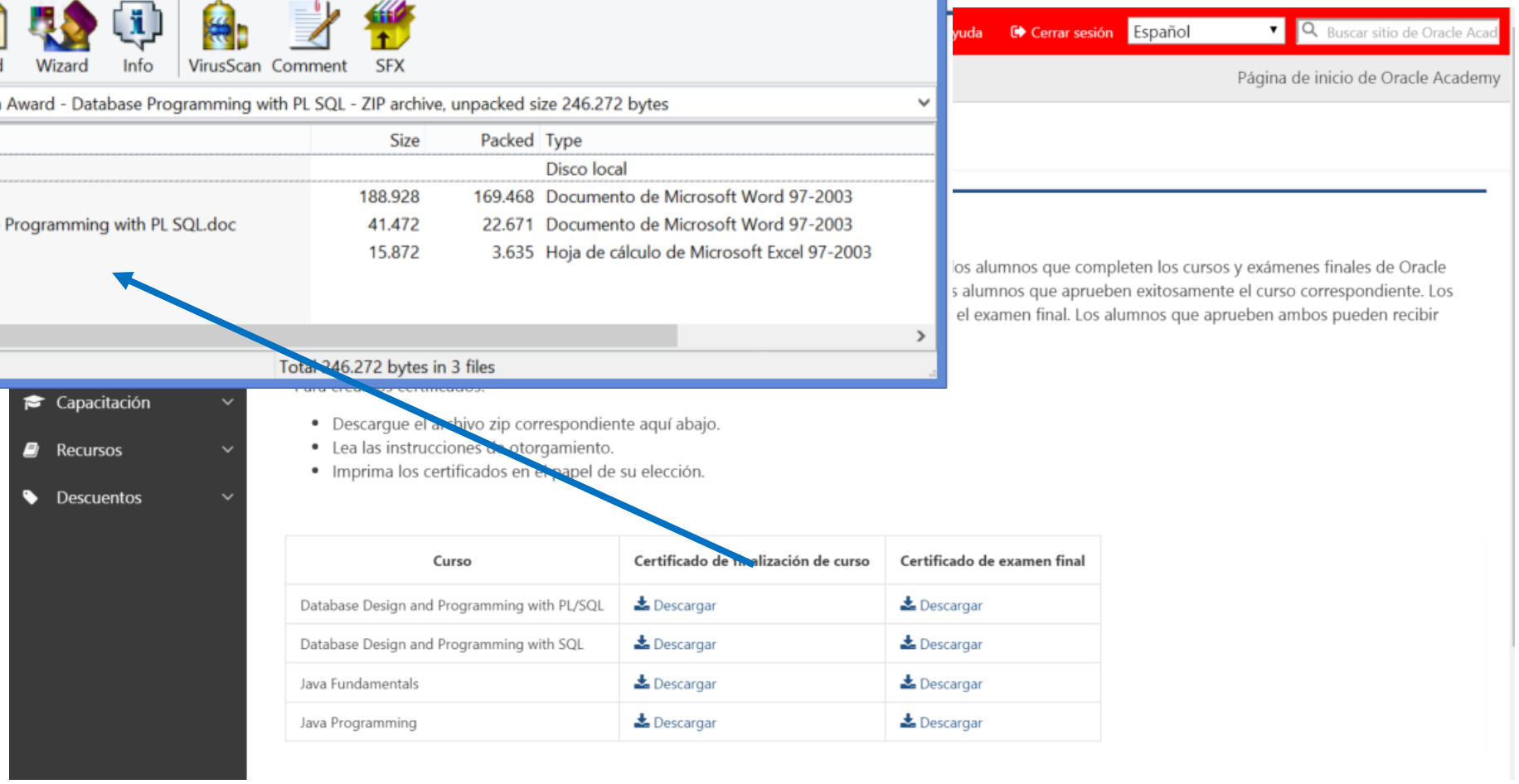
## Funciones de Superusuario : Gestión de cuentas de usuario

- Creación nuevas cuentas (alumno/Instructor)
- Asignación de alumnos a cursos (Java, SQL, PL/SQL,)
- Informes sobre el proceso completado de los cursos

# Plataforma elearning: Certificados

## Certificado oficial de participación y de superación de examen final de curso



# Plataforma elearning: Certificados

## Certificado oficial de participación y de superación de examen final de curso

ORACLE ACADEMY

AWARD *of* ACHIEVEMENT

PRESENTED TO

Pedro García Marín

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Java Fundamentals

FINAL EXAM

22 de marzo 2015

Oracle Academy Instructor

# Beneficios del programa

# Acceso a Software Oracle

## Para docencia e investigación académica sin fines de lucro

pue

ORACLE ACADEMY

### Oracle Database

**Database**

- Database Enterprise Edition

**Database Options**

- Real Application
- Clusters

**Database Enterprise M**

- Database Lifecycle Manag
- Oracle Diagnostics Pack
- Oracle Tuning Pack
- Cloud Management Pack f

### Oracle Applications Software Programs

**J.D. Edwards Enterpris**

**Financial Management Suit**

- Financials
- System Foundation

**Primavera**

**Primavera**

- Primavera Contract Management, Business Intelligence Publisher Edition
- Primavera Risk Analysis
- Primavera Contractor

**P6**

- Primavera P6 Enterprise Portfolio Project Management
- Primavera P6 Professional Project Management

### Oracle Middleware

**Cloud Application Foundation**

- WebLogic Suite (includes TopLink and Application Development Framework)

**Data Integration**

- Data Integrator Enterprise Edition GoldenGate

**Middleware Management**

- SOA Management Pack Enterprise Edition
- WebLogic Server Management Pack Enterprise Edition

**Service Oriented Architecture**

- SOA Suite for Oracle Middleware

**WebCenter**

- WebCenter Suite Plus

**Business Intelligence**

- Business Intelligence Suite Enterprise Edition Plus
- Essbase Plus
- Hyperion Interactive Reporting

**Identity Management**

- Identity and Access Management Suite Plus

**Business Process Management**

- Unified Business Process Management Suite

### PeopleSoft Enterprise

**Enterprise HRMS**

- Human Resources
- Benefits Administration
- Time and Labor
- Stock Administration
- Pension Administration
- Candidate Gateway
- Talent Acquisition Manager
- eCompensation
- eCompensation Manager Desktop
- eProfile
- eProfile Manager Desktop
- eDevelopment

### Oracle E-Business Suite

**Intelligence**

- Supply Chain & Order Management Intelligence
- Service Intelligence
- Projects Intelligence
- Procurement Intelligence
- Marketing & Sales Intelligence
- Oracle HR Intelligence
- Financials Intelligence
- Fusion Transportation Intelligence
- Human Resources
- Balanced Scorecard

**Supply Chain Planning**

- Advanced Supply Chain Planning
- Global Order Promising

**Procurement**

- Purchasing

**Manufacturing**

- Discrete Manufacturing
- Process Manufacturing

**Service**

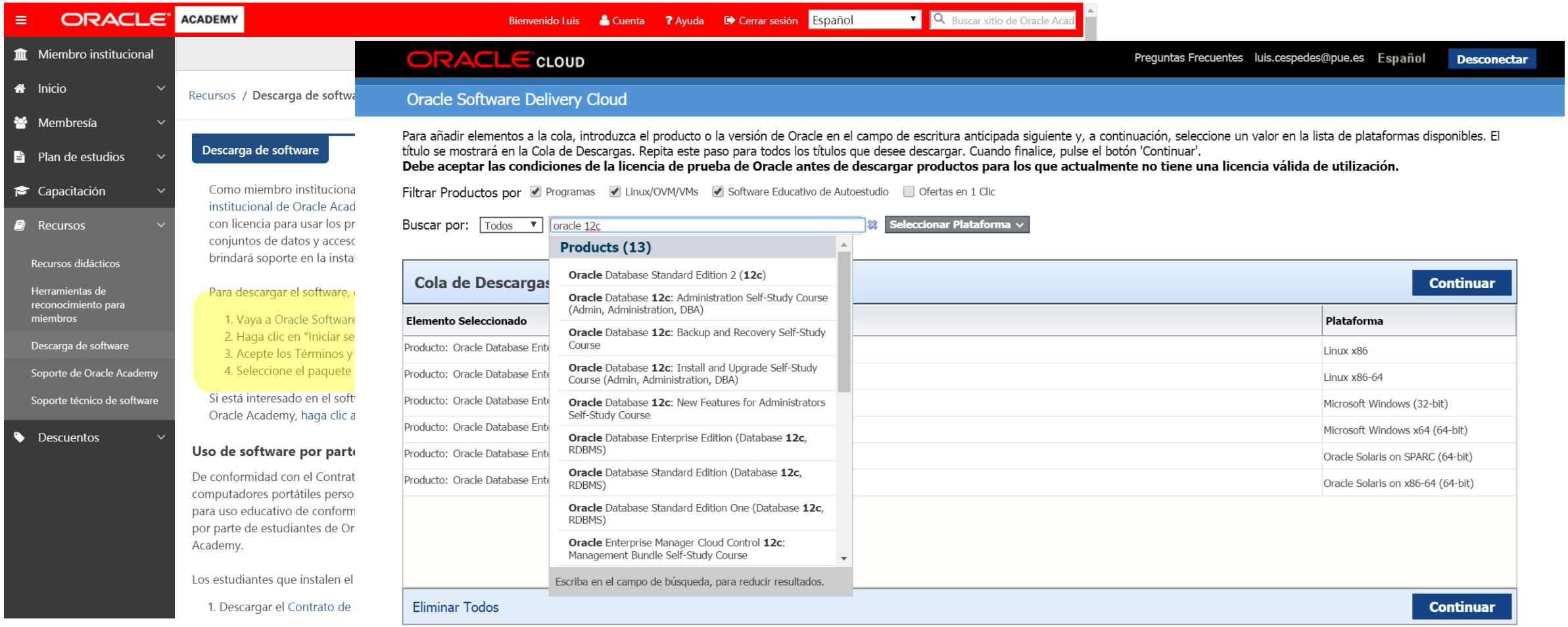
- TeleService

- Support

ORACLE

# Acceso a Software Oracle

## Descarga desde nuestra cuenta Oracle Academy pasando por Oracle Software Delivery Cloud



# Beneficios del programa

- Portal privado para miembros
- Certificaciones oficiales
- eLearning
- Software
- Recursos de Marketing
- Oracle Press

# Recursos de Marketing: Welcome Kit y eBadge

**Kit de bienvenida:**

- Carta de bienvenida.
- Placa identificativa con el nombre del centro serigrafiado.
- Banderola de lona con el logotipo identificativo del programa

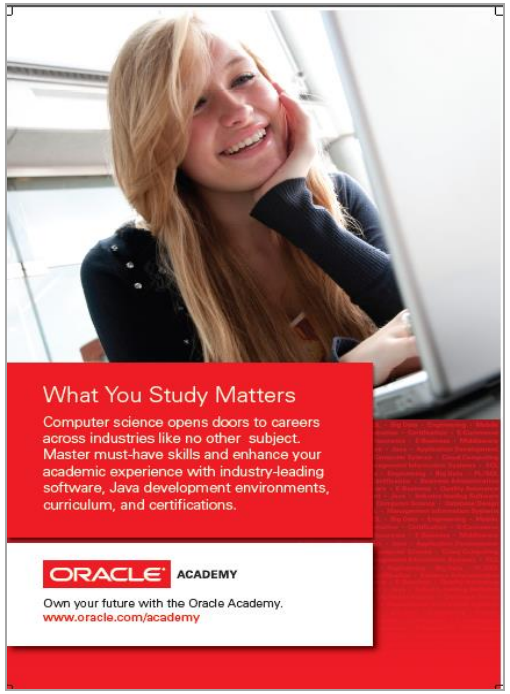
**Ebadge**:

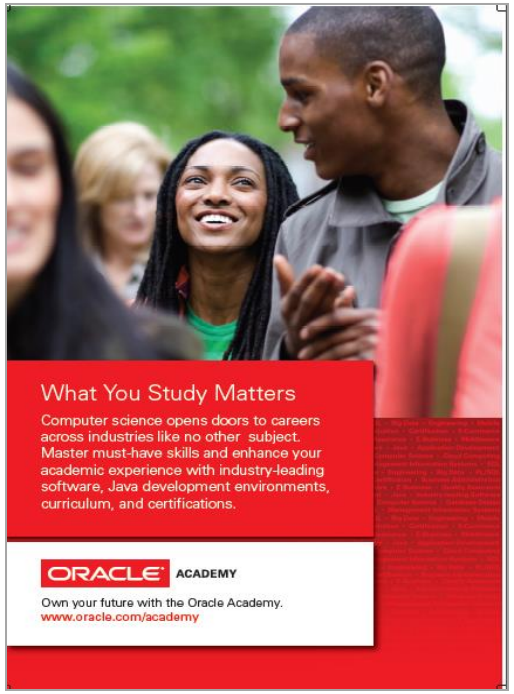
- Distintivo **eBadge** a utilizar en redes sociales y/o en la firma de su correo electrónico, etc.

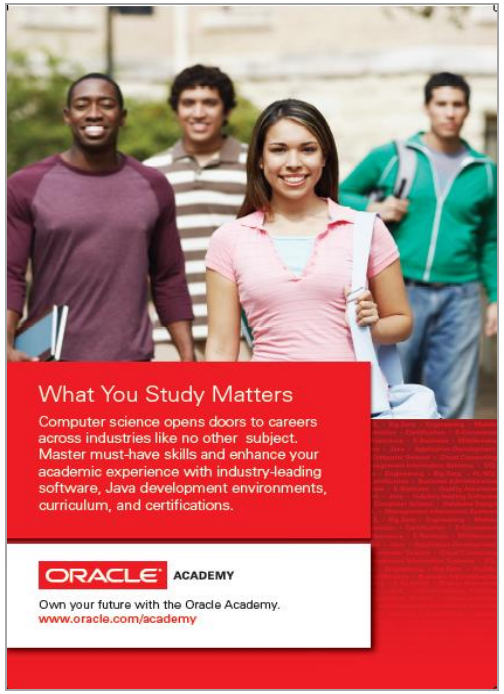
# Recursos de Marketing: Logo oficial

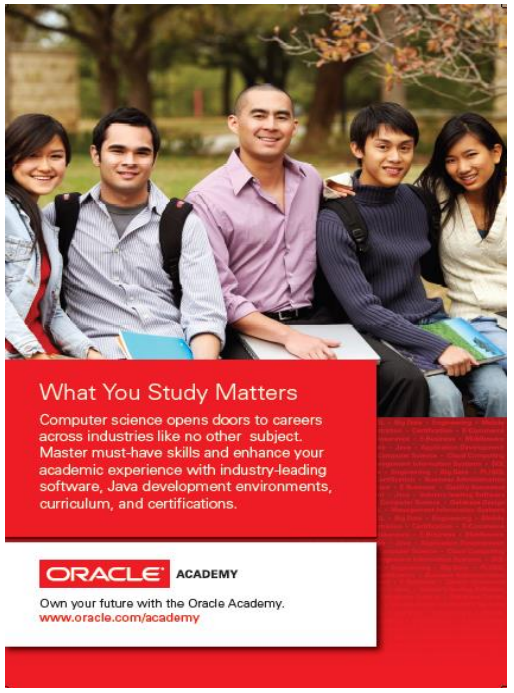
- Los miembros del programa tienen derecho a utilizar los logos oficiales del programa para promover su figura de centro de formación académico oficial de Oracle.
- Disponibles en color con fondo blanco o negro.
- Tres formatos  de archivo disponibles: gif, bmp y eps.
- Normas de uso del logo: Academy Logo Usage Guidelines

# Recursos de Marketing: Posters académicos



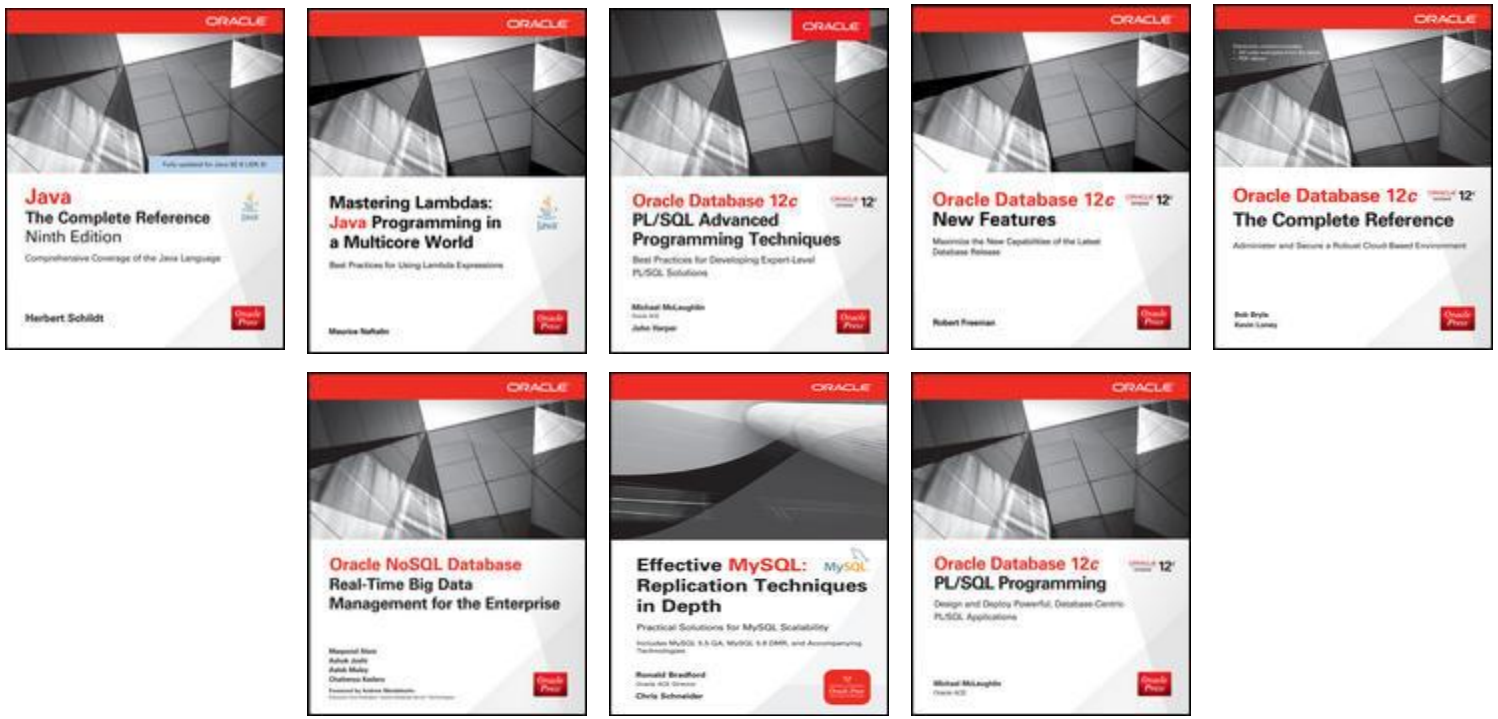




Varios posters disponibles en formato 63 cm x 93.5 cm para ser usados como material promocional.

# Beneficios del programa

- Portal privado para miembros
- Certificaciones oficiales
- eLearning
- Software
- Recursos de Marketing
- Oracle Press

# Oracle Press




**50% de descuento en libros y ebooks de Oracle Press**

Oracle Press™

# Suscripción al programa

| | |
|---|---|
| ¿A quién va dirigido? | Centros de Formación Profesional y Departamentos de Informática de Universidades |
| ¿Con qué objetivo? | Aplicación de los contenidos oficiales Oracle exclusivamente en itinerarios de formación reglada. |
| ¿Cuánto cuesta? | Alta / Renovación Anual: 450,00€ (IVA incluido) |

www.pue.es/educacion/oracle-academy

# Caso de éxito – IES San Juan de la Cruz

San Juan de la Cruz

Centro de Formación Profesional público ubicado en Pozuelo de Alarcón, Madrid.

# Caso de éxito – IES San Juan de la Cruz

**Curso 2013/14** — Participación en el evento Oracle Academy Event

Alta en el proyecto

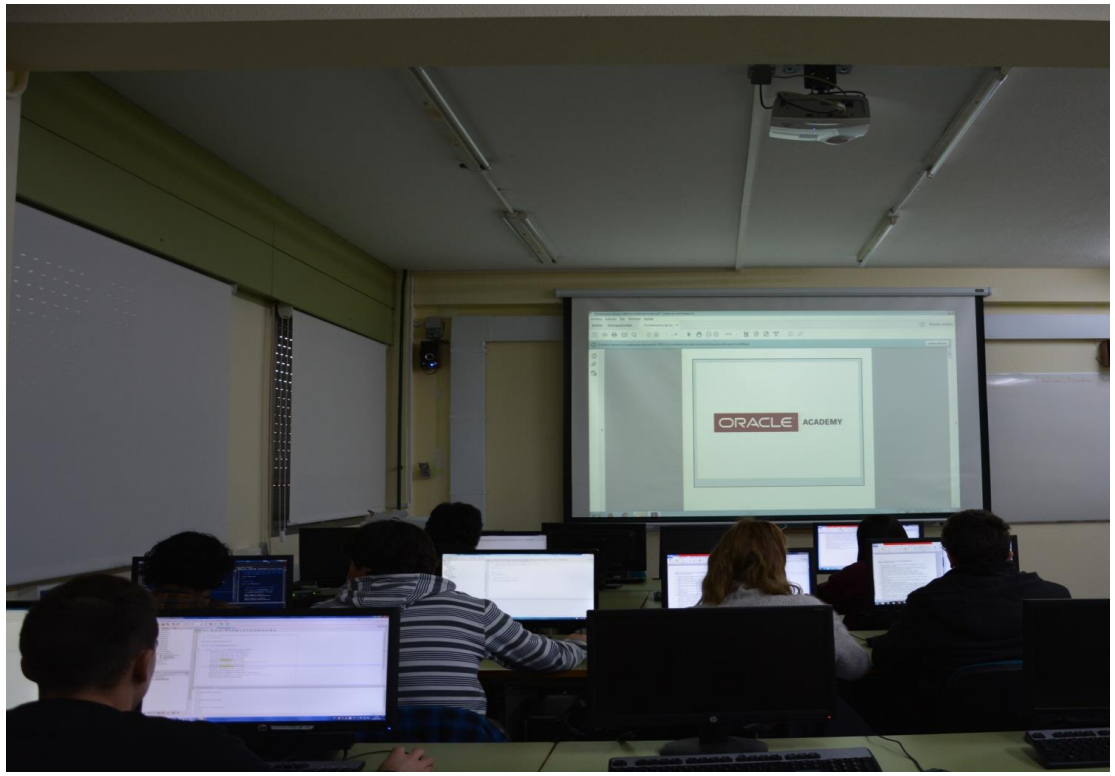
**Curso 2014/15** — Estudio de las prestaciones y funcionalidades del programa

**Curso 2015/16** — Migración a Oracle Academy 3.0

**Curso 2016/17** — Incorporación de Oracle Academy 3.0 en el Ciclo de Desarrollo de Aplicaciones web

# Caso de éxito – IES San Juan de la Cruz

- Implantación en el módulo de Programación incluido en el ciclo formativo de **Grado Superior de Desarrollo de Aplicaciones Web**
- Integración en el material curricular de los **cursos online de la plataforma elearning de Java**, principalmente Java Fundamentals
- Al finalizar el curso, entrega de **diplomas oficiales**



PUE DAY

#PUEDAY17

# ¡Gracias!

## ¿Qué te ha parecido la ponencia de Oracle Academy?

Sólo te pedimos 2 minutos o menos
para responder 3 preguntas

**Tu opinión nos importa.**

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