

An aerial photograph of a lush green agricultural landscape. The image shows terraced fields, a central pond, and various types of vegetation, including palm trees and dense greenery. A white outline of a map of the state of Arizona is overlaid on the image, with a white line pointing from the map to the text area.

# RADIATION ADVISORY COMMITTEE

Barbara Smith,  
Chair

David Howe,  
Radiation Protection Services Program Director

June 14<sup>th</sup>, 2023



# TELECONFERENCE PROCEDURES



- Record phone-in number and passcode (in case you lose connectivity)
- Phone-in number and conference ID # provided in Teams invitation mail
- If phoning into meeting, use PowerPoint slides to follow meeting
- To unmute self, press \*6



- Video (of yourself) is optional
- Please mute microphone unless speaking
- Use the “raise hand” feature if you have a question



- When speaking, begin by stating your name
- RPS staff will use screen share to share PowerPoint information and handouts
- The meeting will be recorded for purposes of accuracy in the minutes

## RADIATION ADVISORY COMMITTEE MEETING AGENDA

June 15, 2023 – Virtual Meeting

800 NE Oregon St., Portland, Oregon (On-line)

Phone-In Number 1-971-277-2343 ID: 143 846 058#

(\* = Action Items)

10:00 a.m.

### Registration/Public Session

- Call Meeting to Order – Barb Smith, Chair
- Introduction of Members, New Member (Dr. Sousa Melo) & Guests
- Approval of Minutes – Barb Smith
- RPS Staffing – David Howe RPS

10:30 a.m.

### 2023 RPS Program Updates – David Howe

- RPS Budget – David Howe, Program Director, RPS
- Electronic / Tanning Products Update – Brent Herring, Lead Worker, RPS
- Radioactive Materials Licensing – Hillary Haskins, ER/OPS Manager
- Emergency Response / Incidents – Hillary Haskins, ER/OPS Manager
  - Spears Cancer Center – Asante Medical Center – QMP violation
- RPS Training – Hillary Haskins, ER/OPS Manager

BREAK

11:15 a.m.

### Exemptions/Rules/Statutes

- \* Salem Hospital – BGRT machine operator rules – Brent Herring
- \* Veterinary Referral Clinic of Central Oregon – training course approval – Brent Herring
- \* OHSU Oregon National Primate Research Center – CT operators – Brent Herring
- \* OHSU Bone Density – QA baseline – Brent Herring
- \* Clear Choice Dermatology – General vs. Direct Supervision of operators – Brent Herring
- \* SkinVet Clinic – Use of mobile CT – Brent Herring
- \* Radiant Xstrhal model (SEB and Radiation Therapy) – possible rulemaking – Brent Herring & Michelle Martin





11:45 a.m.

**Lunch**

**Legislative Bills**

- HB 2996 and HB 3223-A14 (Dental Assistant OBD radiological proficiency certification) – David Howe

**Rulemaking**

- Pending X-ray and RML rule amendments – Todd Carpenter
- Rulemaking to require the registrant to provide direct supervision to a non-certified Medical Physicist by a certified Medical Physicist (OAR 333-123-0015) – Todd Carpenter
- Temporary rulemaking to repeal the \$3000 reciprocity fee cap (OAR 333-103-0030) – Todd Carpenter
- Non-Radiologist Physician Training Requirements for Supervising Fluoroscopy – Todd Carpenter
- Non-Radiologist Physicians – adding Naturopathic Physician via OAR 333-106-0005 – Todd Carpenter
- Add an OBMI representative as an ex officio member on RAC – David Howe

12:15 p.m.

**Emergency Preparedness/Response**

- ROSS – Radiation Operations Support Specialist (California course announcements) – Hillary Haskins
- RIID & X-ray inspection equipment RFQ submissions – Hillary Haskins

12:45 p.m.

**New Business**

- 2023 Mandatory RAC Member Training – David Howe

01:30 p.m.

**Public Comments:**

2:00 p.m.

**Announcements** \\ Next meeting scheduled for October 11, 2023 /Adjourn



# WELCOME

Introduction of Members, Dr. Sousa Melo & Guests

# Dr. Saulo Sousa Melo

**Education:** MS in Dentistry and PhD in Dental Radiology

**Current Positions:**

- OHSU School of Dentistry - Associate Professor/Director of Oral & Maxillofacial Radiology
- OHSU School of Medicine - Assistant Professor
- Director of Oral Radiology Clinic & Course Director of radiology curricula
- Coordinates OHSU School of Dentistry Imaging Interpretive Services - provides Cone-Beam CT reports to dentists


**Prior Experience:**

- University of Iowa College of Dentistry - Clinical Assistant Professor
- Taught Oral Radiology at local University/ Radiologist at private imaging center in Aracaju, Brazil

**Professional Associations:**

- American Academy of Oral & Maxillofacial Radiology - Councilor for Public Policy and Scientific Affairs
- International Association of Dentomaxillofacial Radiology – Regional Director for North America



An aerial photograph of a coastal area. The top half shows a wide, sandy beach meeting clear, turquoise water. The bottom half shows a rocky shoreline with a large pile of brown and grey rocks. To the left, there is a paved area with several cars parked, some buildings, and green vegetation. A black banner with white text is overlaid on the center of the image.

# APPROVAL OF MINUTES FROM FEBRUARY 15, 2023

Radiation Advisory Committee Meeting



# RPS STAFFING

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David Howe



Oregon Health Authority  
Public Health Division  
Radiation Protection Services

David Howe  
Section Manager  
Compliance & Regulatory Manager 3  
0000310, X7143, PERM

ER/Technical Services/Field Operations

Preparedness/Licensing

Hillary Haskins  
Compliance & Regulatory Manager 1  
1004008, X7145, PERM

Patricia Thompson  
Section Administrative Specialist  
Administrative Specialist 1  
1002417, C0107, PERM

Todd Carpenter  
Compliance & Regulatory Manager 1  
0000681, X7145, PERM

Brent Herring  
Lead Worker  
Health Physicist  
Environmental Health Specialist 3  
0000157, C3819, PERM

Michelle Martin  
Health Physicist  
Environmental Health Specialist 3  
1002811, C3819, PERM

Judith Smith  
X-Ray Registration  
Administrative Specialist 1  
0000300, C0107, PERM

Erin DeSemples  
Health Physicist  
Environmental Health Specialist 3  
0000464, C3819, PERM

Rama Wusirika  
Health Physicist  
Environmental Health Specialist 3  
0000308, C3819, PERM

Toby Irving  
Health Physicist  
Environmental Health Specialist 3  
0000392, C3819, PERM

Lee Lind  
RML Registration  
Administrative Specialist 1  
0000706, C0107, PERM

Daryl Leon  
Health Physicist  
Environmental Health Specialist 3  
0001170, C3819, PERM

Dong Lim  
Health Physicist  
Environmental Health Specialist 3  
1018732, C3819, PERM

Richard Patterson  
Health Physicist  
Environmental Health Specialist 3  
1019657, C3819, PERM

Alexandra Parker  
Tanning Registration  
Administrative Specialist 1  
0000446, C0107, PERM

Thomas Pfahler  
Health Physicist  
Environmental Health Specialist 3  
0000707, C3819, PERM

Sarah Brodesser  
Health Physicist  
Environmental Health Specialist 3  
1018732, C3819, PERM

Vacant  
Health Physicist  
Environmental Health Specialist 3  
0001171, C3819, PERM

Thomas Mynes  
Health Physicist  
Environmental Health Specialist 3  
0000387, C3819, PERM

Updated 05/31/2023





# 2023 PROGRAM UPDATES



# Fiscal Year 2023 – Budget Summary Ending March 31, 2023

3/31/2023					
Grant Title	Beginning Balance	Revenue	Accrued Revenue	Expenditure	Remaining Balance
RPS X-Ray Registration Fee	74	3,251,204	-	2,815,177	436,101
RPS Radioactive Materials License (RML)	-179,213	1,918,356	-	1,914,381	<b>-175,238</b>
RPS Tanning Device Registration	59,967	356,474	10,580	227,292	189,148
RPS DEQ School Disposal	1,922	-	-	-	1,922
RPS DOE First Responder Training	19,249	15,000	-	6,149	28,100
RPS Grain Analysis Lab Fee	-1,132	10,888	-	19,271	<b>-9,515</b>
RPS Metro Rad Mat Disposal	70,353	18,400	-	3,715	85,038
RPS DOE Emergency Response Training	-7,824	113,579	-	165,181	<b>-59,426</b>
RPS Mammography Fac Inspection PH23		163,053	-	39,006	124,047
RPS Mammography Fac Inspection PH22	243,568	289,755	-	330,479	202,843
Total OF	-36,604	5,683,901	10,580	5,151,166	496,131
Total GF	-	-	-	-	-
Total FF	243,568	452,808	-	369,485	326,891
Total All Funds	206,964	6,136,708	10,580	5,520,651	<b>823,021</b>



# Electronic/Tanning Inspections

Brent Herring, X-Ray Program Lead Worker

- **Inspection Update**
  - **Inspector Sign offs**
    - Sarah is signed off on chiro
    - Rich is signed off on chiro
  - **Inspections since last RAC meeting:**
    - 315 X-ray Inspections (medical, dental, vet, therapy, MQSA, and industrial)
      - 1157 Machines
      - 1172 Tubes
    - 16 Tanning Inspections
  - **Violation Summary:**
    - X-ray
      - 22 – Machine registration
      - 6 – Equipment must be capable of functioning at the mfg intended specs
      - 6 – Dental operators must complete machine specific applications hand-held training
    - Tanning
      - 2- Areas or device not maintained in a sanitary state
      - 2 - Time not checked annually for accuracy
      - 2 - Emergency shut-off not test annually

# Radioactive Materials Licensing – Hillary Haskins



## RML Activity

Feb 01 – May 31, 2023

Description	Count
Inspections	23
Licensing Actions	55
Closed Incidents	8
Open Incidents	22





# Feb-May: Incidents/Response

Hillary Haskins

- Featured incidents
  - Spears Cancer Center – Asante Medical Center – QMP violation
- 9 Portal alarms
  - Lu-177
  - Scrap metal

**Lutathera**  
(Lutetium Lu-177 dotatate)



# 2023 – Training and Conferences

- Training
  - NRC on-line/in person
    - Oregon hosting Inspection Procedures course
  - ICS on-line/in person
    - ICS 300/400
  - Mammography
- Conferences attended in-person and on-line
  - Conference of Radiation Control Program Directors – Houston, TX (May)
    - Todd Carpenter – Proxy
    - Hillary Haskins – Member at Large
    - REP 2023 cohort (pictured right)
  - Organization of Agreement States – Seattle, WA (August)







**BREAK**





# EXEMPTIONS/RULES/STATUTES



# Salem Health Hospital – Biology Guided Radiotherapy (BGRT)

- New technology – approved by FDA in Feb 2023
  - Takes PET/CT and radiation therapy (Linac) and combines them into one machine.
- Currently only two in the country (Stanford and Pittsburgh)
- Current Status:
  - Shielding plans have been sent to RPS
  - PET/CT plans to open 1<sup>st</sup> quarter of 2024
  - Radiation therapy plans to open 2<sup>nd</sup> or 3<sup>rd</sup> quarter of 2024

# Salem Health Hospital – Biology Guided Radiotherapy (BGRT)

- Operators
  - **2 Operators** (1 operator for the PET/CT and 1 operator for the LINAC)
    - Nuclear Medicine (PET/CT)
      - RT-N
      - Certified Nuclear Medicine Tech (CMNT) certified in CT by ARRT
    - Radiation Therapy (LINAC)
      - RT-T
  - **1 Operator** (1 operator for both the PET/CT and LINAC)
    - RT-T – performs all duties with approved education, training, and competency in PET/CT
      - Working under an AU
      - Basic radiation safety training
      - 40 hours specific to PET
- Current Status – reaching out to CRCPD and other states on approval process to allow one operator to perform all



# Veterinary Referral Center of Central Oregon – Radiation Safety Course

- Veterinary Referral Center of Central Oregon (Vet Referral Center) requested to have new radiation safety course reviewed
- Doctors at Vet Referral Center will teach course and administer the quizzes and tests
- Course includes course syllabus, powerpoint presentations, videos, quizzes, and final test
- Course was reviewed by two RPS inspectors
- Course was approved after a few corrections and more detailed subjects added in course
- RPS staff will sit in on course

# OHSU National Primate Research Center – Mobile CT Exemption

- Exemption request to add new operators to 2012 variance
- Notified OHSU the approval process has changed since 2012
- CT Machines
  - Two Ceratom 8 slice mobile CT machines
    - Used for research
    - Machines are never moved
    - A group of 2 teams use the CT machines for specific research study
- Exemption request for DVM, CVT, and research assistants (BS in animal science or biology) as operators
- Operator Required Education and Training:
  - DVM – will need vendor training and MIC CT cross training course
  - CVT – will need vendor training and MIC CT cross training course
  - Research Assistants – will need education and training that cover topics listed in in OAR 333-106-0055, vendor training, and MIC CT cross training course
  - Vet Assistants – not allowed to operate a CT machine because their education does not meet the training topics covered in OAR 333-106-0055
- Exemption Status
  - Currently no one has been approved due to lack of training documentation.



## OHSU – Bone Density Exemption Request

- Exemption request set up QA protocol for bone density studies using adolescents.
- OHSU RPB stated it did not fall under their rules because it was setting up QA and not performing research.
- Referred the requesting doctor to confer with Tom Gridlock (OHSU Lead Health Physicist) to figure out another way to set up QA without using humans
- Currently reaching out to requesting doctor and Tom Gridlock on latest.

## Clear Choice Dermatology – Exemption Request

- Exemption request to allow general supervision instead of direct supervision for subsequent treatments.
- Rule 333-123-0135 Superficial Electronic Brachytherapy: Activation of the Superficial Electronic Brachytherapy X-ray Tube
  - (2) An authorized user must provide personal supervision of the superficial electronic brachytherapy operator during the patient's initial treatment when activating the X-ray tube and direct supervision of the superficial electronic brachytherapy operator for all subsequent treatments.
- Reason for Exemption – no other providers within a 2-hour radius (Warrenton)
- Machine - RADiant Machine Xstrahl (50 kV)
- Proposed Use – dermatology treatment of non-melanoma skin cancer and keloid scars (superficial electronic brachytherapy)
- Proposed scans per week: 20-30 per week
- Proposed operators
  - Phillip Melville RT(T) – Current Oregon License
- Proposed supervision
  - Dr Collin Blattner, dermatologist, with be supervising (general) remotely via telephone or video



## Skin Vet Clinic – Exemption Request for Mobile CT

- Skin Vet Clinic – specializes in dermatology and ear care for cats and dogs
- Exemption request is to use a Xoran VetCAT machine for skull CTs
- Machine is on wheels
- Will only use machine in one room.
- Machine will be wheeled in and out of room as needed. Stored in another room or in hallway
- Current questions and concerns
  - Shielding report?
  - Physics report - current
  - Proposed operators will need:
    - Vendor training
    - MIC CT cross training course

# Superficial Radiotherapy – Radiant Xstrahl Model

- New machine with energies from 50 kV to 150 kV
- OARs only mention superficial electronic brachytherapy in detail.
- OAR 333-123-0005(73) – Superficial electronic brachytherapy device which includes superficial radiotherapy means a device that uses a lower energy x-ray that operates between 10 and 100 kV to treat various benign or malignant skin conditions.
- New machine can perform 2 types of therapy (\* From manufacture website – XSTRAHL)
  - Electronic Brachytherapy
    - Shorter SSD – shorter than 6 cm
    - Lower kVp (50 to 70)
    - Given in 6-10 fractions (higher dose per fraction)
    - 400 – 700 cgy
    - 1-2 fractions per week
  - Superficial Radiation Therapy
    - Longer SSD (6 – 10 cm)
    - Higher kVp (50 – 150)
    - Fractions 15 -20
    - 250 – 300 cgy
    - 3 fractions per week
- RPS determined the same rules apply for both.





LUNCH





# Legislative Bills

David Howe

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## PROPOSED AMENDMENTS TO A-ENGROSSED HOUSE BILL 3223

1 On page 1 of the printed A-engrossed bill, delete lines 4 through 27 and  
2 delete page 2 and insert:

3 **“SECTION 1.** Section 2 of this 2023 Act is added to and made a part  
4 of ORS chapter 679.

5 **“SECTION 2.** (1) In adopting rules related to the requirements for  
6 certification as a dental assistant, including any type of expanded  
7 function dental assistant, **the Oregon Board of Dentistry may require**  
8 **an applicant for certification to pass a written examination.** If passage  
9 of a written examination is required for certification as a dental as-  
10 sistant, including any type of expanded function dental assistant, **the**  
11 **board may accept the results of any examination that is:**

12 **“(a)(A) Administered by a dental education program** in this state  
13 that is accredited by the Commission on Dental Accreditation of the  
14 American Dental Association, or its successor organization, **and ap-**  
15 **proved by the board by rule; or**

16 **“(B) An examination comparable** to an examination described in  
17 subparagraph (A) of this paragraph **that is administered by a testing**  
18 **agency approved by the board by rule; and**

19 **“(b) Offered in plain language in English, Spanish and Vietnamese.**

20 **“(2) The board may not require an applicant for certification as a**  
21 **dental assistant, including any type of expanded function dental as-**

# HB 2996 & HB 3223 A-15

1 sistant, to complete more than one written examination for certifica-  
2 tion as that type of dental assistant.

3 **“SECTION 3.** Section 2 of this 2023 Act applies to applications for  
4 certification as a dental assistant, including any type of expanded  
5 function dental assistant, submitted on or after the operative date  
6 specified in section 4 of this 2023 Act.

7 **“SECTION 4.** (1) **Section 2 of this 2023 Act becomes operative on**  
8 **July 1, 2025.**

9 **“(2)** The Oregon Board of Dentistry may take any action before the  
10 operative date specified in subsection (1) of this section that is neces-  
11 sary to enable the board to exercise, on and after the operative date  
12 specified in subsection (1) of this section, all of the duties, functions  
13 and powers conferred on the board by section 2 of this 2023 Act.

14 **“SECTION 5.** (1) **The Oregon Board of Dentistry shall convene an**  
15 **advisory committee of at least seven members to study the dental as-**  
16 **stant workforce shortage and to review the requirements for dental**  
17 **assistant certification in other states.** The committee shall provide  
18 advice to the board on a quarterly basis on how to address the dental  
19 assistant workforce shortage in this state.

20 **“(2)(a)** In appointing members to the advisory committee, the board  
21 shall prioritize diversity of geographic representation, background,  
22 culture and experience.

23 **“(b)** **A majority of the members appointed to the committee must**  
24 **have experience working as dental assistants.**

25 **“SECTION 6.** This 2023 Act takes effect on the 91st day after the  
26 date on which the 2023 regular session of the Eighty-second Legislative  
27 Assembly adjourns sine die.”.

28



A scenic landscape of a tea plantation on a hillside under a blue sky with clouds. The foreground shows rows of green tea bushes. A winding road cuts through the middle ground. In the background, there are more hills and a small village. The sky is bright blue with a few white clouds.

# RULEMAKING

Todd Carpenter



# Future Rulemaking

Define Radiation Area Relating to X-ray Devices

Adding The Use of Rectangle Collimation to RPS Rules

Recognize a Naturopathic Doctors as a Non-Radiologist Practitioner

Requiring a Non-Qualified Medical Physicist Must be Directly Supervised  
by a Qualified Medical Physicist

Update and Amend Division 123, X-ray Therapy Rules With CRCPD's  
Suggested State Regulations Part X

## Temporary Rulemaking

Removal of the \$3,000 Fee Cap for Reciprocity Licensees





David Howe

- Thoughts on adding an Oregon Board of Medical Imaging (OBMI) representative as an ex officio member on RAC





# EMERGENCY PREPAREDNESS / RESPONSE





**R.O.S.S. TRAINING  
ANNOUNCEMENT**



**TAKE THE FIRST STEP**

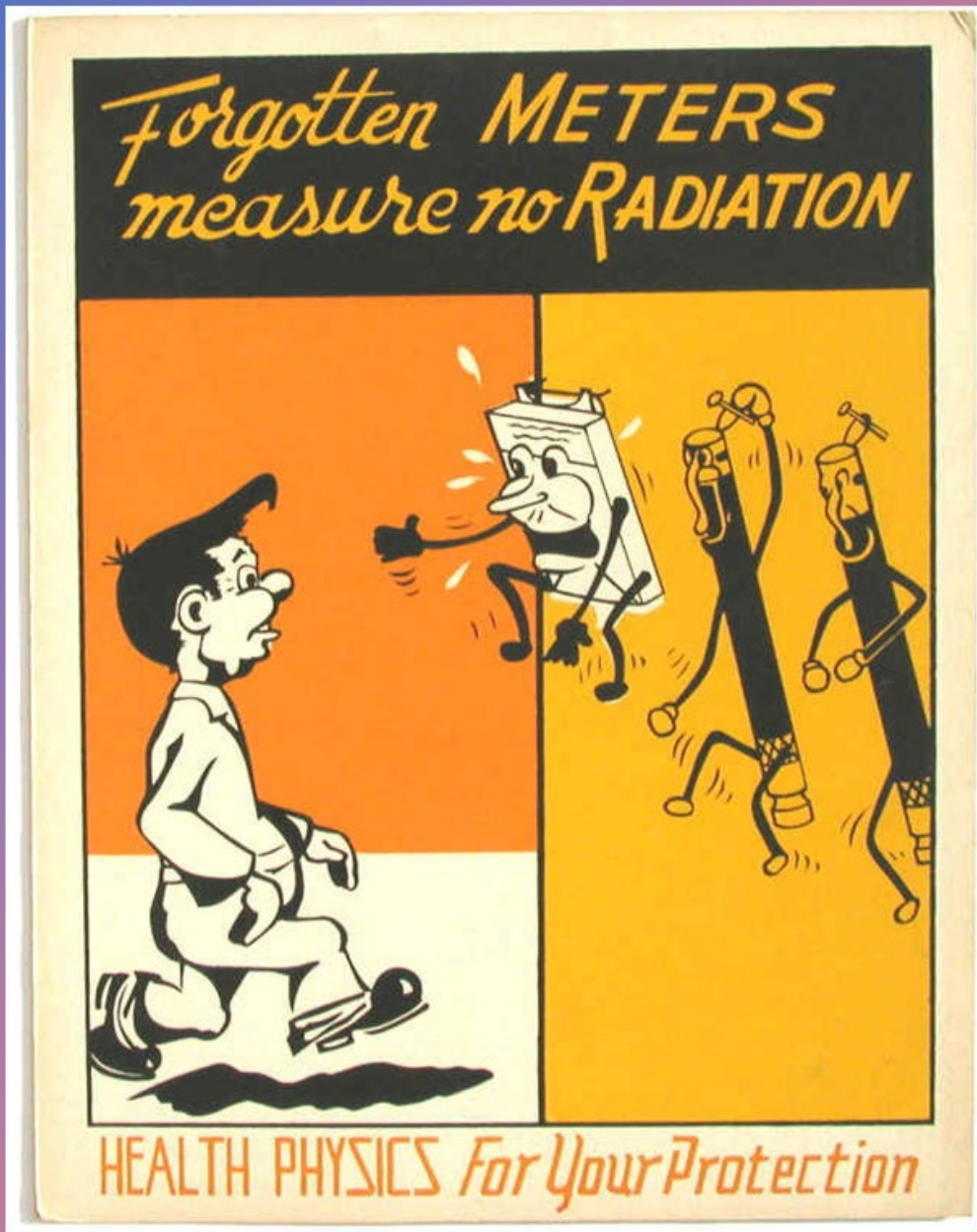
**Sacramento: October 23-26, 2023**

**Los Angeles: December 11-14, 2023**

**ROSS – Radiation  
Operations Support  
Specialist – Hillary Haskins**

- Interest Survey this interest survey to apply:
- <https://forms.office.com/g/ZiNT2zvTEb>





# Updating Inspection and Response Equipment

- Radioisotope Identification Devices (RIID)
- X-ray Test Equipment
- X-ray Phantoms





# NEW BUSINESS

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# MANDATORY RAC MEMBER TRAINING

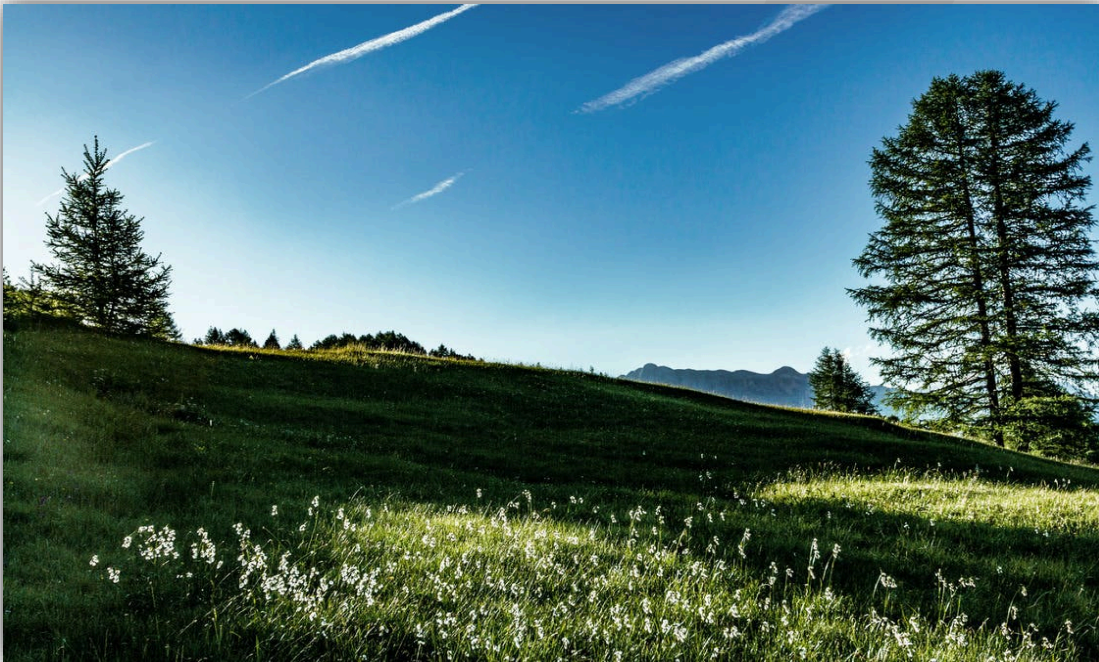
## 4 Classes in Workday

Preventing Discrimination and  
Harassment in the Workplace

Information Security Training:  
Foundations

Weapons and Violence Free Workplace

Public Records







# Public Comments



# Announcements

Next Meeting:  
October 11, 2023

Thank you for attending