



UNITED INDEPENDENT SCHOOL DISTRICT INFORMATIONAL ITEM

TOPIC: Texas Education Agency Approval of Oil and Gas Academy Innovative Courses

SUBMITTED BY: Alicia G. Carrillo, Director of Career/Technology

OF: Curriculum & Instruction Department

APPROVED FOR TRANSMITTAL TO SCHOOL BOARD: _____

DATE ASSIGNED FOR BOARD CONSIDERATION: April 17, 2013

INFORMATIONAL REPORT:

United ISD presented a request for Innovative Course Approval of the three Oil and Gas Academy courses to the Texas Education Agency (TEA) on December 18, 2012. TEA approved UISD's Oil and Gas Academy on March 4, 2013. All four UISD high schools will begin to offer Oil and Gas Academy courses beginning with the Fall semester of 2013.

For information contact:

Alicia G. Carrillo, CTE Director
United ISD , Laredo, TX
acarrill@uisd.net

United ISD Oil and Gas Academy

Roberto J. Santos, Superintendent

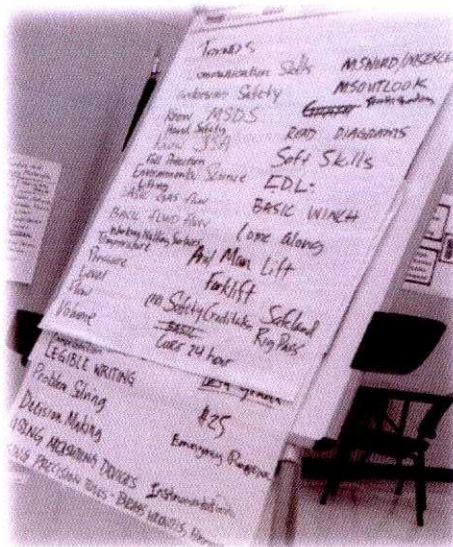
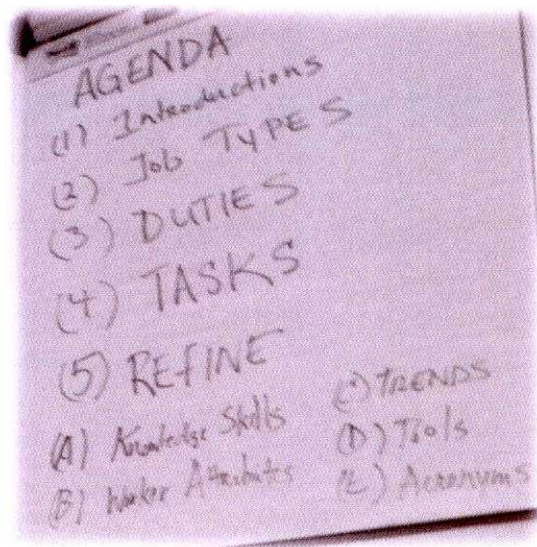
UISD is the first school district in the state to design an innovative curriculum in Oil and Gas Production! This will become the curriculum model for Oil and Gas for Texas.



Activities Timeline

1. July 2012 – met in Encinal with Lewis Energy to strategize for Oil and Gas program
2. August 2012 - Met in Laredo with Lynnae Willett from Lewis Energy
3. August 24, 2012 – Project Start Date
4. October 5, 2012 –Organizational meeting of Steering Committee; roles and responsibilities
5. November 7, 2012—Steering Committee Meeting – Overview of project, presentation of needs assessment results, DACUM process update
6. November 15, 2012 – DACUM * Workshop
7. December 3-4 – Developed courses based on DACUM Workshop
8. December 17, 2012 – Steering Committee Meeting - Overview of UISD's CTE program, Committee validation of Oil and Gas TEKS
9. December 18, 2012 – Deadline for UISD to Submit Innovative Course Application to TEA for 2013-14
10. January 7, 2013 – Phone conversation with Ron Whitson from TEA regarding Innovative Course Application changes and input from Lewis Energy
11. March 4, 2013 - Email from Debbie Gonzalez at TEA notifying UISD of approval of Oil & Gas Academy courses.
12. March 7, 2013 – Scope and Sequence approved by UISD.

*Note: DACUM (**D**eveloping **A** **C**urricul**U**M) method of analyzing jobs and occupations used worldwide for over 40 years. It results in list of duties, tasks, and related information about the job. This list provides a solid and relevant *foundation* for developing a curriculum and instructional materials (Source - <http://www.dacumohiostate.com/>)



Advisory Committee

July 2012 - Meeting in Encinal with staff from Lewis Energy to strategize for Oil and Gas project.

August 2012 - Meeting in Laredo with Lynnae Willett and UISD staff

Last	First	Organization
Benavides	Laida P.	UISD
Blanchard	Thomas	Valerus - Houston
Boothe	Louis G.	Valerus - Houston
Castaneda	Blas	CTA Global
Castro	Memo	M&M Air Cargo
Cruz	Rene	UISD
Davila	Juan	UISD
Diaz	Leonel	Palo Alto College
Espinoza	Henry	Palo Alto College
Flores	Christy U.	UISD
Flores	Elizabeth "Betty"	Farm Credit Bank Board
Garcia	David	UISD
Garcia	Erica B.	LBJHS
Gonzalez	Frank	UISD
Gorordo	Guadalupe	UISD
Grissom	Joene	Grissom & Associates
Hernandez	Albert	LCC
Liendo-Espinoza	Cindy	City of Laredo
Martin	Steve	Pioneer Energy Svcs.
Mata	Arnoldo	CTA Global
Perez	Hector	UISD
Rendon	Gloria	UISD
Rojas	Mary Ann	CTA Global
Santos	Roberto J.	UISD
Schwebel	Gerry	IBC
Trevino	Jorge L.	CTA Global
Trevino	Rogelio	Workforce Solutions
Villarreal	Erasmus	City of Laredo
Wilson	Roylin B.	UISD
Zamarripa	Rick	PEC Safety
Zepeda	Orlando	LCC
Zuniga	Eddie	UISD

Oil and Gas Application



Name of Innovative course(s): Principles of Oil and Gas Production Systems, Oil and Gas Production Systems I, and Oil and Gas Production Systems II

(Only if this is an application for multiple levels of the same course may multiple course names be listed here. For example, an applicant may apply for approval of Latin Literature I and Latin Literature II with one submission.)

Subject area (Choose only one):

- | | |
|--|--|
| <input type="checkbox"/> English Language Arts | <input type="checkbox"/> P.E./Equivalent |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Languages Other Than English |
| <input type="checkbox"/> Mathematics | <input type="checkbox"/> Fine Arts |
| <input type="checkbox"/> Science | <input type="checkbox"/> Technology Applications |
| <input type="checkbox"/> Social Studies | <input checked="" type="checkbox"/> Career and Technical Education |
| <input type="checkbox"/> Economics/Free Enterprise | <input type="checkbox"/> Other Electives |
| <input type="checkbox"/> Health | |

Number of credits that may be earned: See below **Grade level(s) to be served:** 9-11

Brief description of the course (150 words or less):

I. Principles of Oil and Gas Production Systems (credits: 1/2 -1)

This course will provide students an introduction to Oil and Gas professions including the distinction between the different career opportunities and the required certification and degree for each. Students will study the history, current, and future significance of the petroleum industry and the applications of associated tools, equipment, technologies and governing authorities. This course is recommended for students in 9-12th grade.

II. Oil and Gas Production Systems I (credits: 1-2)

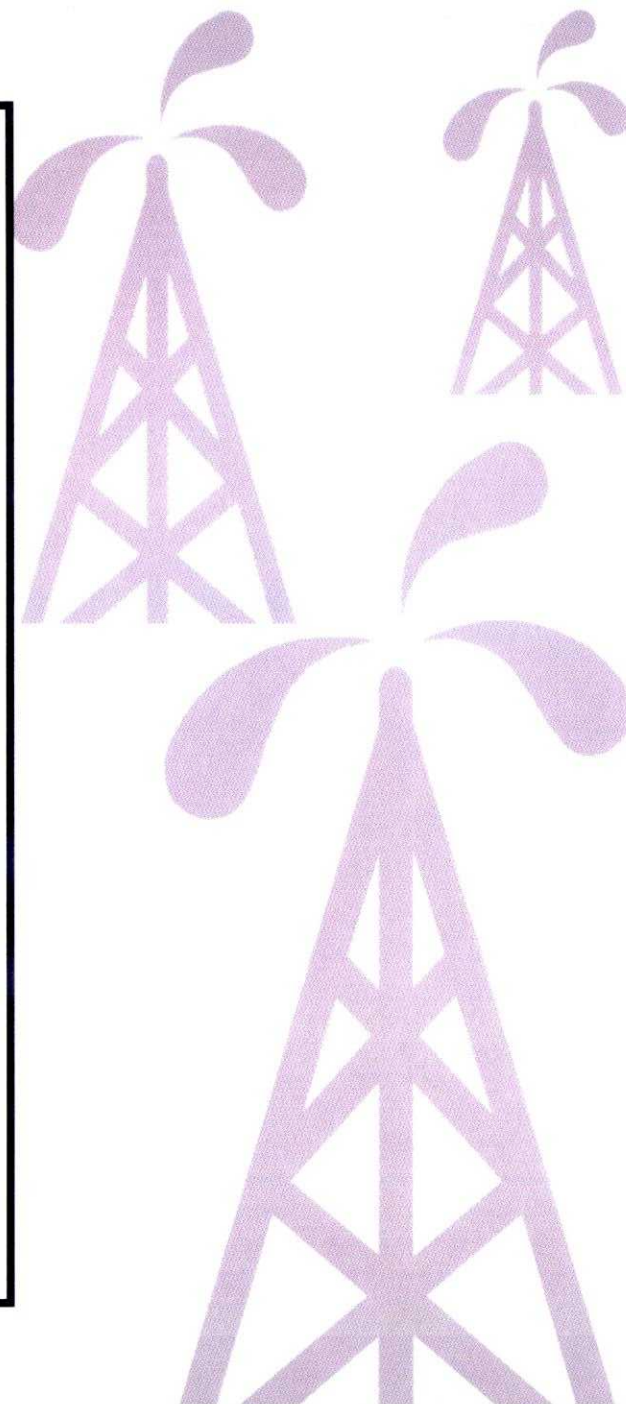
Students enrolled in this program will identify specific career opportunities, skills, abilities, tools, certification and safety measures associated with each career. Development of enhancing critical thinking skills and understanding components, systems, equipment, production and safety regulations associated with oil and gas well production and maintenance. This course is recommended for students in 10-12th grade.

III. Oil and Gas Production Systems II (credits 1-3)

This course will provide students with an overview of specific requirements for entry into post-secondary education and employment in the oil industry. Research and discuss petroleum economics, modes of transportation, environmental, health and safety concerns, and different energy sources. This course prepares students for industry certification and is recommended for students in 10-12th grade.

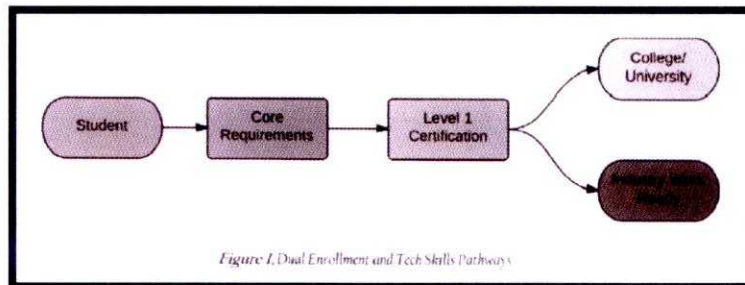
January 10, 2012

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Oil and Gas Innovative Courses

1. Principles of Oil and Gas Production Systems – 1 Credit - This course will provide students an introduction to Oil and Gas professions including the distinction between the different career opportunities and the required certification and degree for each. Students will study the history, current, and future significance of the petroleum industry and the applications of associated tools, equipment, technologies and governing authorities. This course is recommended for students in grades 9-12.
2. Oil and Gas Production Systems I – 1-2 Credits - Students enrolled in this course will identify specific career opportunities, skills, abilities, tools, certification and safety measures associated with each career. Development of enhancing critical thinking skills and understanding components, systems, equipment, production and safety regulations associated with oil and gas well production and maintenance. Course is recommended for students in grades 9-12.
3. Oil and Gas Production Systems II – 1-3 Credits - This course will provide students with an overview of specific requirements for entry into post-secondary education and employment in the oil and gas industry. Research and discuss petroleum economics, modes of transportation, environmental, health and safety concerns, and different energy sources. The course may be taught through a student internship program and prepares students for industry certification. Course is recommended for students in grades 9-12.



Sample Pathway

9th	10th	11th	12th
Busi. Info. Mgmt. Systems/ Principles of Oil and Gas Production Systems (Innovative)	Oil and Gas Production Systems I (Innovative)	Oil and Gas Production Systems 2 (Innovative)	Oil and Gas Internship/ Coop or begin Community College Dual Credit program



Oil and Gas TEA Approval

Alicia Carrillo

From: Gonzales, Debbie <Debbie.Gonzales@tea.state.tx.us>
Sent: Monday, March 04, 2013 12:58 PM
To: acarrill@uisd.net
Subject: Innovative Course Approval - Oil and Gas courses

Dear Ms. Carrillo,

I'm pleased to inform you that the innovative courses that you submitted, *Principles of Oil and Gas Production Systems*, *Oil and Gas Production Systems I*, and *Oil and Gas Production Systems II*, have been approved for use as innovative courses beginning with school year 2013-2014. We appreciate the hard work that you and your staff contributed toward the creation of these courses. The courses will remain in effect until a time to be determined (TBD).

Please note that the approved courses may serve as state graduation elective credit only and are not approved to substitute for any required state graduation requirements.

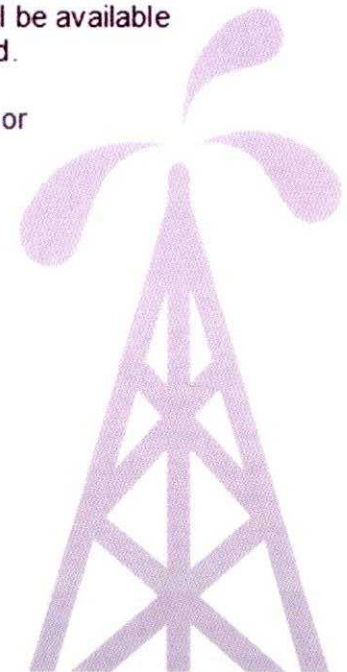
We are still in the process of assigning the courses PEIMS course codes and abbreviations. We will contact you with the information once it has been assigned and approved. In addition, that information will be available on the innovative course website (<http://www.tea.state.tx.us/index4.aspx?id=6079>) once approved.

If you have questions concerning the courses, please contact Debbie Gonzales at 512-463-9581 or debbie.gonzales@tea.state.tx.us

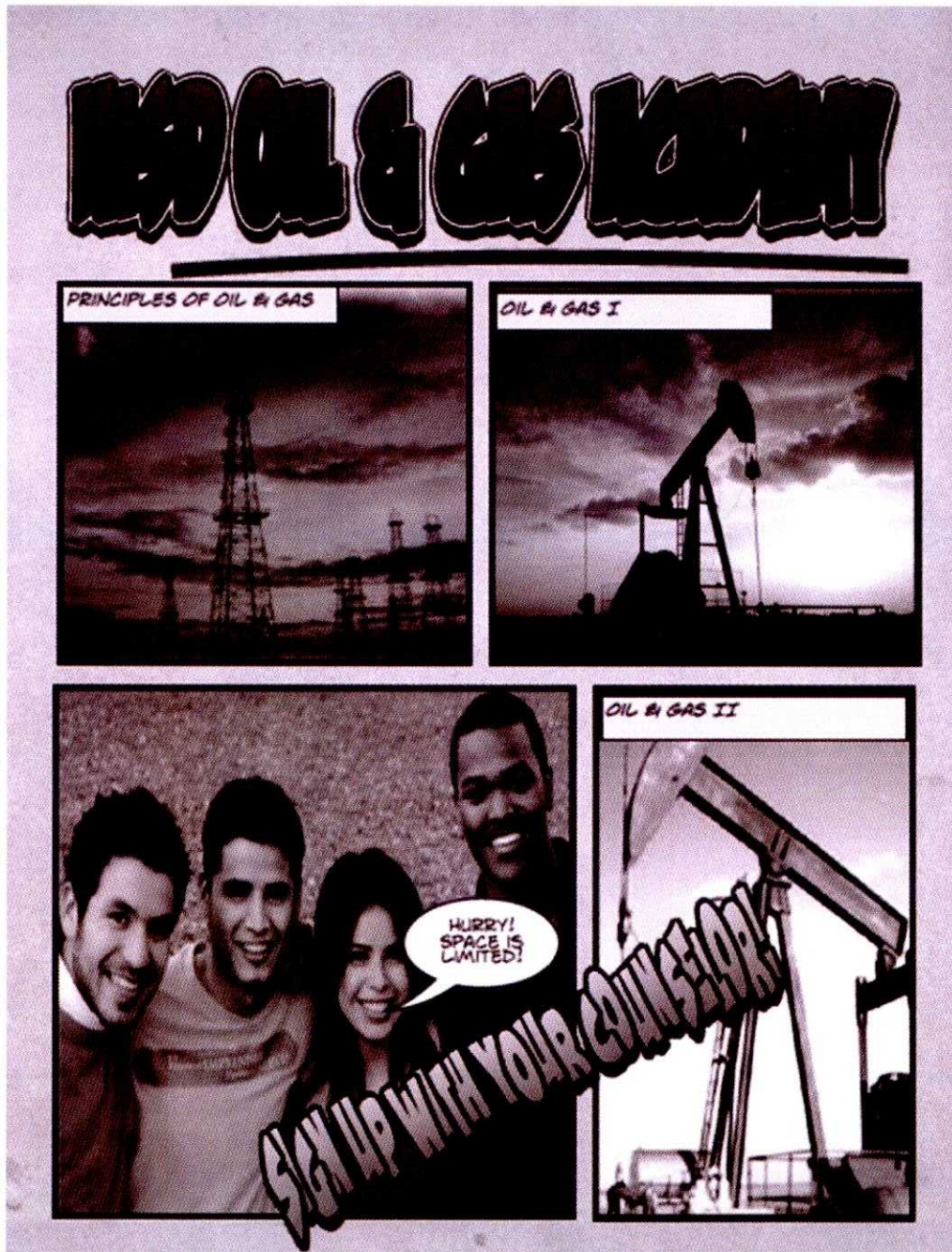
Sincerely,

Debbie Gonzales
Program Coordinator
Curriculum Division
Texas Education Agency
512.463.9581
512.463.8057 fax
debbie.gonzales@tea.state.tx.us

2/19/2013



Oil and Gas Flyer



2/19/2013

End of Presentation

