

**Assessment Report 2015-2016
For Dental Assisting Class of 2015**

Assessment of Student Learning Outcomes

Competency Name Program Goals/Competency	Means of Assessment, Course(s) & Data Collection Plan	Results/Analysis	Action Plan/ Follow-up
<p>Infection Control Competency</p> <p>DA students will demonstrate competency in Infection Control procedures as established by OSHA.</p>	<p>1. One hundred percent (100%) of Dental Assisting Students will achieve a 3 or greater on a 1 – 4 scale on the Infection Control Evaluation Tool as completed by the instructor in Dental Science. <i>Dental Science (annually in Fall)</i></p> <p>2. One hundred percent (100%) of Dental Assisting Students will achieve a 2.5 or greater on a 1-4 scale on the Clinical Experience 1 evaluation tool by the Dental Assisting Preceptor/Dentist. <i>Clinical Experience I (annually in Spring)</i></p> <p>3. One hundred percent (100%) of Dental Assisting Students will achieve a 2.75 or greater on a 1-4 scale on the Clinical Experience II Evaluation tool completed by the Dental Assisting Preceptor/Dentist <i>Clinical Experience II (annually in Spring)</i></p>	<p>1. Twelve of 12 students or 100% of students passed the Infection Control Competency's with a 3 or greater. The student competencies in DA 19011, Dental Science reflected that nine 9 of the 12 students passed on the first attempt with 3 passing on the second attempt. One hundred (100%) of the students successfully completed Infection Control Competencies within 3 attempts. However, the competencies "Removing PPE, Placing and Removing Surface Barriers, and Performing Treatment Room Cleaning and Disinfection" were not passed within three attempts by three students. These three competencies are critical in the Infection Control Process.</p> <p>2. Eleven of 11 or 100% of students in the class of 2015 received 2.5 or above on Preceptor Evaluations by the Dental Assisting Preceptor/Dentist. In Dental Clinical Experience I.</p> <p>3. Eleven of 11 or 100% of students in the class of 2015 received 2.75 or above on Preceptor Evaluations in Clinical Experience II.</p>	<p>1. Benchmark met. Evaluation of this assessment has resulted in a change in the Means of Assessment to add a time frame "within three attempts" to Assessment Plan to ensure students demonstrate competency within an established time frame. Revised evaluation forms new Tally sheets developed to better identify each attempt and document student progress along with identifying specific areas that may need improvement.</p> <p>2. Benchmark met –No action required. Continue to monitor updates from OSHA and Best Practice Standards.</p> <p>3. Benchmark met –No action required. Continue to monitor updates from OSHA and Best Practice Standards.</p>

Competency Name Program Goals/Competency	Means of Assessment, Course(s) & Data Collection Plan	Results/Analysis	Action Plan/ Follow-up
Infection Control Competency cont.	4. One hundred percent (100%) of Dental Assisting Students will achieve a 3.0 or greater on a 1-4 scale on the Clinical Experience III Evaluation Tool completed by the Dental Assisting Preceptor/Dentist. <i>Clinical Experience III (annually in Summer)</i>	4. Eleven of 11 students or 100% in the class of 2015 received 3.0 or above on Preceptor Evaluations in Clinical Experience III.	4. Benchmark met –No action required. Continue to monitor updates from OSHA and Best Practice Standards.
Fabrication of Temporary Crowns and Bridge Restoration & Bleaching Trays Competency DA students will demonstrate competency in fabrication of temporary crowns and bridge restoration and bleaching trays.	1. One hundred percent (100%) of students will demonstrate competency in the fabrication of temporary crown and bridge restorations and bleaching trays by achieving a 90% or greater on the pre-clinical instructor evaluations in Dental Materials II and by achieving the target score of (2.5) for Clinical Experience I or greater on a 1 to 4 scale with 1 being the lowest and 4 being the highest on clinical evaluations completed by supervisors in the dental assisting offices. <i>Dental Materials II & Clinical Experience I (annually in the Spring)</i> 2. One hundred percent (100%) of students will demonstrate competency in the fabrication of temporary crown and bridge restorations and bleaching trays by achieving the target score of 2.75 or greater on a 1 to 4 scale with 1 being the lowest and 4 being the highest on clinical evaluations completed by supervisors in the dental assisting offices. <i>Clinical Experience II (annually in</i>	1a. Eleven of 11 students or 100% of the students met the Temporary Crown and Bridge, Bleaching Tray Competencies. Ninety-one percent (91%) 10 of 11 Dental Assisting Students scored 90% or higher on Instructor evaluations in Temporary Crown and Bridge and Bleaching Trays on the first attempt. One student passed on the second attempt. 100% of the students met the Temporary Crown and Bridge, Bleaching Tray Competencies within 3 attempts. 1b. Eleven of 11 students or 100% achieved a 2.5 or higher in Clinical Experience I in Fabricating a Temporary Crown or Bleaching Tray by the preceptor and dentist. 2a. Ninety-one percent (91%), 10 out of 11 Dental Assisting Students received a 2.75 or above on Fabricating a Temporary Crown with one NA. 2b. Seventy-two percent (72%), 8 of 11 Dental Assisting Students received 2.75 or above on Constructing a Bleaching Tray with 3 noted as NA. Students are improving on the preclinical lab assignment with the increased lab time a part-time instructor has provided.	1a. Continue to work with students in allowed time frame utilizing PT Instructor to increase practice time and provide smaller lab groups. 1b. Revise the preceptor package/orientation stressing the importance of the students completing the evaluation criteria. Review and revise competency tools to reflect best practice standards and accreditation standards. 2. Revise the preceptor package/orientation stressing the importance of the students completing the evaluation criteria. Review and revise competency tools to reflect best practice standards and accreditation standards.

Competency Name Program Goals/Competency	Means of Assessment, Course(s) & Data Collection Plan	Results/Analysis	Action Plan/ Follow-up
Fabrication of Temporary Crowns and Bridge Restoration & Bleaching Trays Competency cont.	<i>Spring)</i> 3. One hundred percent (100%) of students will demonstrate competency in the fabrication of temporary crown and bridge restorations and bleaching trays by achieving the target score of 3.0 or greater on a 1 to 4 scale with 1 being the lowest and 4 being the highest on clinical evaluations completed by supervisors in the dental assisting offices. <i>Clinical Experience III (annually in Summer)</i>	3. Ninety-one percent (91%) of the Dental Assisting Students received a 3.0 or above on Temporary Crown and Bleaching Tray with one student receiving a NA.	3. Revise the preceptor package/orientation stressing the importance of the students completing the evaluation criteria. Review and revise competency tools to reflect best practice standards and accreditation standards.
Radiography Competencies DA students will meet demonstrate competency in Radiography processing, developing and mounting meeting the AR Dental Association Standards and CODA.	1. One hundred (100%) of students will demonstrate competency in the traditional and digital radiography <i>exposing</i> by achieving a 90% or greater on the instructor evaluation in Dental Radiology II. (The instructor utilizes an evaluation tool with a 1 to 4 point scale. A percentage score is then calculated from the skill level obtained on a four point evaluation) and a 2.5 or greater on a 1 to 4 scale with 1 being the lowest and 4 the highest, on the supervising dentist's evaluation. <i>Dental Radiology II and Dental Clinical Experience I (annually in the Spring)</i>	1a. Using the established criteria, all 11 students received at least a 90% on all required radiographic competencies required prior to entering clinical rotations during the spring semesters for 2014-15. The instructor utilizes an evaluation tool with a 1 to 4 point scale. A percentage score is then calculated from the skill level obtained on a four point evaluation tool. Each of the 11 students completed the pre-clinical evaluation competencies prior to clinical rotations. 1b. One hundred percent (100%) of the class scored 2.5 or greater in Clinical Experience 1. One hundred percent (100%) of the supervising dentist/preceptor in the clinical setting evaluated the student using the four point scale during the Clinical Experience I.	Results indicated that 100% of students met the radiographic competencies as required. The data indicates that the process for teaching, demonstrating, and evaluating the radiographic competencies are effective and meet the required standards as established by CODA. The DA Instructor will continue to work on enhancing teaching and demonstration techniques (power point, Camtasia, guest presenters, etc.) to even further improve competency results. The 2014-2015 class utilized digital radiography in their course (DA 19102 Dental Radiography II) completing preclinical competencies on DEXTR and a live person. Results showed that 100% of the students met the digital

Competency Name Program Goals/Competency	Means of Assessment, Course(s) & Data Collection Plan	Results/Analysis	Action Plan/ Follow-up
Radiography Competencies cont.	<p>2. One hundred (100%) of students will demonstrate competency in the traditional radiography <i>developing</i> by achieving a 90% or greater on the instructor and peer evaluations in Dental Radiology II, and a 2.5 or greater on a 1 to 4 scale with 1 being the lowest and 4 the highest, on the supervising dentist's evaluation in Clinical Experience I. <i>Dental Radiology II and Dental Clinical Experience I (annually in the Spring)</i></p> <p>3. One hundred (100%) of students will demonstrate competency in the traditional and digital radiography <i>mounting</i> by achieving a 90% or greater on the instructor and peer evaluations in Dental Radiology I, and a 2.5 or greater on a 1 to 4 scale with 1 being the lowest and 4 the highest, on the supervising dentist's evaluation in Dental Clinical Experience I. <i>Dental Radiology I (annually in fall)</i> <i>Dental Clinical Experience I (annually in the Spring)</i></p> <p>4. One hundred (100%) of students will demonstrate competency in the radiography <i>exposing, developing, and mounting</i> by achieving a 3.0 or greater on a 1 to 4 scale with 1 being the lowest and 4 the highest, on the supervising dentist/preceptor's evaluation in Clinical Experience III.</p>	<p>2a. Using the established criteria, all 11 students received at least a 90% on all required radiographic competencies required prior to entering clinical rotations during the spring semesters for 2014-15. The instructor utilizes an evaluation tool with a 1 to 4 point scale. A percentage score is then calculated from the skill level obtained on a four point evaluation tool. Each of the 11 students completed the pre-clinical evaluation competencies prior to clinical rotations. 2b. One hundred percent (100%) of the class scored 2.5 or greater in Clinical Experience 1. One hundred percent (100%) of the supervising dentist/preceptor in the clinical setting evaluated the student using the four point scale during the Clinical Experience I.</p> <p>3a. Using the established criteria, all 11 students received at least a 90% on all required radiographic competencies required prior to entering clinical rotations during the spring semesters for 2014-15. The instructor utilizes an evaluation tool with a 1 to 4 point scale. A percentage score is then calculated from the skill level obtained on a four point evaluation tool. Each of the 11 students completed the pre-clinical evaluation competencies prior to clinical rotations. 3b. One hundred percent (100%) of the class scored 2.5 or greater in Clinical Experience 1. One hundred percent (100%) of the supervising dentist/preceptor in the clinical setting evaluated the student using the four point scale during the Clinical Experience I.</p> <p>4. One hundred percent (100%) of the class scored 3.0 or greater in Clinical Experience III. One hundred percent (100%) of the supervising dentist/preceptor in the clinical setting evaluated the student using the four point scale during the Clinical Experience III on exposing, developing and mounting traditional/digital radiographs.</p>	<p>radiographic competencies with a score of 90% or above. The Clinical Evaluation tools for the 2016-2017 class will be revised to better evaluate students using Accreditation Standards and Best Practice Standards.</p>

Competency Name Program Goals/Competency	Means of Assessment, Course(s) & Data Collection Plan	Results/Analysis	Action Plan/ Follow-up												
<p>Preventative Dentistry Competency DA Students will demonstrate competency in Preventative Dentistry: Coronal Polishing as established by CODA and AR State Dental Assisting standards.</p>	<p><i>Dental Clinical Experience III (annually in the Summer)</i></p> <p>1. One hundred (100%) of students will demonstrate competency in the Coronal Polish by achieving a 90% or greater on the instructor evaluations on DXTR in Preventive Dentistry and Chairside II.</p> <p><i>Preventive Dentistry (annually in Fall) Chairside II (annually in Spring)</i></p> <p>2. One hundred (100%) of students will demonstrate competency in the Coronal Polish by achieving a 3 or greater on a 1 to 4 scale with 1 being the lowest and 4 the highest, on the supervising dentist's evaluation in.</p> <p><i>Dental Clinical Experience III (annually in Summer)</i></p>	<p>1a. Twelve (12) of the Twelve students demonstrated competency in Preventive Dentistry in the Coronal Polish on DXTR.</p> <p>1b. Eleven (11) of the eleven (11) students completed the pre-clinical evaluation competencies with 90% or better in three attempts. Seven students passed with 90% on the first patient. Ten students passed on the second patient. . One student (#6) completed during the 3rd attempt with a score of 43/44 or 97.7%.</p> <p>2. One hundred percent (100%) of the supervising dentist in the clinical setting evaluated the students using the four point scale. The supervising dentist's evaluations reflected all 11 students received at least a 3 or on the 1-4 scale evaluation indicating 100% of all students met the requirements validating competency in all three Clinical Experiences.</p> <table border="1" data-bbox="947 946 1535 1110"> <thead> <tr> <th data-bbox="947 946 1066 1044">Course</th> <th data-bbox="1066 946 1224 1044">Clinical Experience 1</th> <th data-bbox="1224 946 1381 1044">Clinical Experience 2</th> <th data-bbox="1381 946 1535 1044">Clinical Experience 3</th> </tr> </thead> <tbody> <tr> <td data-bbox="947 1044 1066 1076">Points</td> <td data-bbox="1066 1044 1224 1076">3.5 - 6</td> <td data-bbox="1224 1044 1381 1076">4.0 - 11</td> <td data-bbox="1381 1044 1535 1076">4.0 - 11</td> </tr> <tr> <td data-bbox="947 1076 1066 1110">Scored</td> <td data-bbox="1066 1076 1224 1110">4.0 - 5</td> <td data-bbox="1224 1076 1381 1110"></td> <td data-bbox="1381 1076 1535 1110"></td> </tr> </tbody> </table> <p>Using the established criteria, all 11 of 11 students or 100% received at least a 90% in three attempts or less on the required Coronal Polish competencies required prior to entering clinical rotations during the fall and spring semesters for 2014-15.</p>	Course	Clinical Experience 1	Clinical Experience 2	Clinical Experience 3	Points	3.5 - 6	4.0 - 11	4.0 - 11	Scored	4.0 - 5			<p>The data indicates that the processes for teaching, demonstrating, and evaluating the Coronal Polish competencies is effective and meet the required standards as established by CODA. The DA Instructor will continue to work on enhancing teaching and demonstration techniques (power point, Camtasia, guest presenters, etc.) to even further improve competency results. Dental Sealants have been included as an expanded function in Arkansas for the Registered Dental Assistant license. These competencies will be developed and completed at pre-clinical and clinical level in the 2015-2016 Dental Assisting Class.</p>
Course	Clinical Experience 1	Clinical Experience 2	Clinical Experience 3												
Points	3.5 - 6	4.0 - 11	4.0 - 11												
Scored	4.0 - 5														

Assessment of Dental Assisting Program Outcomes

Competency Name/ Program Competency	Means of Assessment	Results/Analysis	Action Plan/ Follow-up
<p>DA Program Retention and Graduation Goals DA Students will demonstrate successful program completion by meeting program retention and graduation goals.</p>	<p>Eighty percent (80%) of the students accepted into the Dental Assisting Class will successfully complete and graduate from the program.</p> <p><i>Successful Completion of all DA Courses & Program Completion Requirements</i></p>	<p>The initial roster is used to determine the number of students entering the program. The final roster is used to determine the number of students graduating from the program. An Eighty-four percent (84%) retention rate was obtained or 11 out of 13 students completed the program for the 2014-2015 academic year. One student withdrew from the program during the first 6 weeks due to personal reasons and one student withdrew upon completion of the first semester due to medical reasons.</p>	<ol style="list-style-type: none"> 1) Continuing annual evaluation of admission/enrollment criteria to enhance student enrollment/retention. 2) Identify and pre-advise prospective DA students prior to Fall admission to identify barriers to success to include (academic, financial and personal) 3) Provide appropriate resources and services prior to entry into the program. 4) Use entrance exam data from class of 2016 and the prospective 2017 class to determine entrance exam percentage.
<p>Certification Exam Results DA Students, who choose to test, will demonstrate success on the certification exam offered through the Dental Assisting National Board (DANB).</p>	<p>Eighty five percent (85%) of all students graduating and applying to take the certification exam through the Dental Assisting National Board will be successful the first time taking the exam.</p> <p><i>Successful Completion of all DA Courses & Program Completion Requirements</i></p>	<p>The exam is not required in Arkansas and the components are quite expensive as a result students that are hired without the credential of CDA, are encouraged to take the exam but choose not to. The students participated in portions of the CDA exam prep-test issued by the American Dental Assistants Association, with 100% of the students completing the three exams (ADAA Course 0906 Infection Control Review, ADAA Course 0613 A Review for the National General Chairside, and 1302 Introduction to Basic</p>	<p>Based on the same analysis of the previous data including the 2015 Assessment results, it was determined that since the CDA is not required in Arkansas and the cost of the exam is a deterrent for many graduates, the DA Program will focus future assessment on students successfully completing the process to</p>

Competency Name/ Program Competency	Means of Assessment	Results/Analysis	Action Plan/ Follow-up
Certification Exam Results cont.		<p>Concepts in Dental Radiography preparing for National Exam) at a passing rate 77% or above. - The 2015 students participated in portions of the CDA exam prep-test issued by the American Dental Assistants Association, with 100% of the students completing the three exams at an average pass rate of: (Infection Control (91%), Radiology (72%) and Chairside (78%) as provided by the ADAA/Dale Foundation Pretest percentage on their first attempt). The General Chairside and Radiology Exams were retaken after Clinicals as an exit exam the scores are composite <u>93%</u> GC and <u>76%</u> Radiology.</p>	<p>obtain the RDA (Registered Dental Assisting licensure). The State Dental Association requires Registered Dental Assistant (RDA) to practice in Arkansas.</p> <p>The HESI Dental Assisting exit exam, which is based on the CDA exam will be given to the 2016 class.</p>
<p>Post-Graduate Survey Results DA Graduates will demonstrate satisfaction with the DA Program educational experience and overall program satisfaction.</p>	<p>1. One hundred percent (100%) of graduates returning the Post-Graduation survey will rate the Dental Assisting Program at a 3 or higher on a 1 to 5 scale with 1 being the lowest and 5 being the highest related to educational experience and preparedness for the DA workforce. <i>Successful Completion of all DA Courses & Program Completion Requirements</i></p>	<p>A Post-graduate questionnaire is sent to all graduates six months after graduation, in December 2015, which focuses on educational experience, preparedness, feeling of confidence, ability compared to other Dental Assistants and perception of dental assisting at the time of the survey. Eleven (11) out of Eleven (11) or 100% of graduates rated their ANC educational experience and preparedness for the DA workforce at (3) or higher with an average score of 5. Eleven (11) of the eleven (11) employed graduates rated their experience and preparedness at 3 or greater. Overall graduates indicated they were well prepared to enter the field.</p>	<p>Results indicated that the established criteria for the overall rating of the DA educational experience and preparedness for the workforce were met with a rating of (3) or higher with an average rate of 5</p>

Competency Name/ Program Competency	Means of Assessment	Results/Analysis	Action Plan/ Follow-up
Post-Graduate Survey Results cont.	2. One hundred (100%) of the students returning the post-graduation survey will rate satisfaction of the Dental Assisting Program at a 3.5 or greater on a 1 to 5 scale with 1 being the lowest and 5 being the highest. The Post Graduate Surveys and Telephone surveys are used to obtain the post-graduation data. <i>Successful Completion of all DA Courses & Program Completion Requirements</i>	Eleven (11) out of eleven (11) or 100% of graduates rated satisfaction with the DA program at 3.5 with or higher with an average score of 5.	As a result of comments and suggestions made from the Post Graduate Surveys & Telephone interviews, areas of concerns addressed were: 1) Inability to obtain a job in the local area in Dental Assisting. The jobs obtained in the graduating class of 2015 have consisted of offices in Jonesboro, West Memphis, Blytheville, Arkansas, and Caruthersville, and Portageville, Missouri.
Employment Goals DA Graduates will demonstrate success on meeting employment goals.	One hundred percent (100%) of the graduates will be employed in a dental office six (6) months post-graduation as indicated by the post-graduate survey. <i>Successful Completion of all DA Courses & Program Completion Requirements</i>	A total of (10) out of (11) or 90% of Dental Assisting graduates were employed in a Dental Office six months post-graduation. Eleven (11) out of (11) students returned the post graduate surveys for a response rate of 100%. Ten (10) indicated they were employed in various dental offices in the area. One (1) student returning the survey indicated she was continuing her education to become a Dental Hygienist.	Strategies to improve employment rates for DA student in the 2015-2016 graduating class will include 1) Providing assistance with resume writing and job interviewing skills 2) continue to expand the clinical affiliation list to include more sites in the Paragould, Jonesboro, and West Memphis area.
Employer Satisfaction of DA Graduates DA Graduates will demonstrate satisfactory job performance as reported from Employers of ANC entry-level Dental Assistants.	One hundred percent (100%) of all employers (Dental Offices) of graduates returning the employer survey 6 month post-graduation will rate job performance of the beginning Dental Assistant at an average of 3 or higher on a 1 to 5 scale with 1 being the lowest and 5 being the highest.	The Employer Follow-Up Telephone Survey is utilized to obtain information from the Dental Offices where graduates are employed. Results are obtained approximately 6 months post-graduation.	Results of the 2015 graduating class indicate an increase over the last several years of DA graduates securing employment in DA with employment placement

Competency Name/ Program Competency	Means of Assessment	Results/Analysis	Action Plan/ Follow-up
Employer Satisfaction of DA Graduates cont.	<i>Successful Completion of all DA Courses & Program Completion Requirements</i>	Results from the 2015 class: Eight (8) Dental Offices completed the Telephone Survey (two offices hired two students) Results indicated that Dental Office Employers rated the ANC DA graduates at an average of 3.0 or greater with a total average score of 5.0.	and in local and regional Dental Assisting offices. Continue action plan to include preceptors in the Clinical Experience II, III during the 2016 clinical. Results will be shared with the DA Advisory Committee for suggestions and strategies regarding employment opportunities.