School of Dental Hygiene

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SECTION 2: The Profession of Dental Hygiene

Dental hygiene is a health service profession concerned primarily with the prevention of oral disease and the promotion of optimum oral health. As a licensed professional, the dental hygienist’s scope of practice is regulated by provincial legislation. The dental hygiene process of care consists of four components: assessment, planning, implementation, and evaluation. Current practice settings include: Private dental practice, community health centres, institutions (e.g., hospitals, long-term care facilities), primary health care centres, home care and other outreach programs, educational institutions (e.g., universities, community colleges), the military, research, and industry. Dental hygienists acquire competence through instruction in basic sciences, oral health sciences, the humanities and clinical practice. Through more than 600 hours of a competency-based clinical curriculum, students are prepared to meet the needs of a broad range of population groups.

The mission of the School of Dental Hygiene: In a tradition of excellence and progressive learning the University of Manitoba, School of Dental Hygiene prepares future dental hygienists to contribute collaboratively to the health and well-being of the public through oral health promotion and disease prevention.

Practice Requirements
After successful completion of the National Dental Hygiene Certification Board Examination, in Manitoba, graduates must apply to the College of Dental Hygienists of Manitoba for a licence to practice as a dental hygienist. In other provinces, Dental hygienists must fulfill the requirements of the respective provincial licensing bodies.

SECTION 3: Admission to the School of Dental Hygiene

3.1 Diploma offered
Diploma in Dental Hygiene
Minimum time to graduation: Three years (University 1, or satisfaction of prerequisites, plus two years).

NOTE: Pending approval, a degree completion program, Bachelor of Science in Dental Hygiene (B.Sc.D.H.), may be offered commencing August, 2009. This program will only be offered to graduates of the Diploma program.

The following is a summary of the admission requirements. Equivalent academic courses completed at recognized universities elsewhere will be considered. All admission requirements, as well as application deadline dates and forms, are included in an applicant information bulletin that is available from the Admissions Office, Enrolment Services, 424 University Centre; this information is also posted on the university’s website.

3.2 Course requirements
ENGL 1310
CHEM 1300 and CHEM 1310 or CHEM 1320
PSYC 1200
ZOOL 1320 and ZOOL 1330

Dental Hygiene / 227
STAT 1000
6 credit hours of electives (Sociology is strongly recommended) for a total of 30 credit hours.

Other Requirements
Please note that these requirements are under review and may have changed since the time of the printing of this document. Please contact the School of Dental Hygiene for further information.

High school prerequisites: REQUIRED: Mathematics 40S (pre-calculus or applied), Chemistry 40S, and Biology 40S, or eligibility as a mature student to the University of Manitoba.

Interview: An interview may be part of the admission process.

Minimum GPA for consideration: 3.00 with no grade less than C, with the exception of English which requires the minimum grade of B. Admission is competitive.

Selection criteria: 100 per cent based on academic standing for the Regular Applicant Category. Interview and Letters of Reference are considered within the Special Applicant Category. Preference will be given to Manitobans in the Special Applicant Category and on the alternate list.

It is recommended that all applicants attend an orientation session. Orientation for dental hygiene takes place at the School of Dental Hygiene, Bannatyne Campus.

SECTION 4: Dental Hygiene Academic Regulations

All students are asked to note that some academic policies and regulations are under review and are subject to change. Please check the Web Calendar at umanitoba.ca for updated information.

The provisions of the chapter, General Academic Regulations and Requirements, and the chapter, University Policies, apply to all students. In addition, the School of Dental Hygiene has regulations and requirements, published below, that apply specifically to its students.

4.1 Immunization and Bloodborne Diseases Policy

Note: This policy is under review. Please consult the on-line Calendar of the School of Dental Hygiene for further information.

All students enrolled in dental hygiene must be immunized against the following diseases: diphtheria/tetanus, polio, rubella, measles, mumps, chicken pox and hepatitis B. Students must be tested for tuberculosis if a suspected exposure occurs. Students who cannot be immunized because of allergies or other reasons must provide a physician’s certificate to verify these reasons.

Before the first day of classes all students must complete the University of Manitoba Immunization Record Form, provided by the dental hygiene office. Immunization records must be signed by a physician or nurse verifying that all immunizations are up-to-date.

All students are responsible for updating their immunizations as needed. Students will not be permitted to attend clinics until all immunization requirements are up-to-date.

4.2 CPR Certification

Accepted candidates will be required to show proof of CPR certification by October 15 of each year. The CPR Certification level required by the School of Dental Hygiene is: Basic Life Support (BLS) for Healthcare Providers. This certification must be maintained on a yearly basis up to the date of graduation.

4.3 Examinations and Promotions

Regular attendance in all courses as well as a satisfactory record completed during the term will be required to qualify a student to sit for the annual or other grading examination.

To obtain standing in any year, a student must attain a minimum Term Grade Point Average (GPA) of 2.0 in all courses of that year. If a student is registered for less than 100% of the courses listed for the year, a minimum Term GPA of a 2.0 must also be obtained.

A student who has obtained a grade of “F” in more than two subjects or who fails to obtain a Term GPA of 2.0 will be regarded as having failed the year and will be required to repeat the work of that year in a succeeding annual session. The student must re-apply for admission to the school if the failed year is the first year.

No student will be allowed to register for the full work of any one year who has a condition remaining from a previous year.

Students are prohibited from interviewing individual members of the school with reference to examination standing at any time prior to the posting of official grade lists.

For details on final examinations, see the Chapter General Academic Regulations and Policy of this Calendar.

For appeals process, see the Chapter General Academic Regulations and Policy.

For a description of the grading system, see the Chapter General Academic Regulations and Policy.

4.4 Supplemental Examinations

A student who has failed in not more than two subjects at the regular final examinations of any year, or who fails to obtain a Term GPA of 2.0 in courses of the year, may upon application and at the discretion of the Dental Faculty Council be awarded the privilege of one or two supplemental examination(s).

The Faculty Council will specify in which subjects the student may write supplemental examinations. The passing grade in supplemental examinations is “C” in each subject.

A student must maintain a minimum Term GPA of 2.0 each year in order to be eligible for supplemental privileges.

A student who, having exercised supplemental privileges, has not more than one condition remaining, may in the ensuing annual session, be allowed to take only that one course in the Dental Hygiene program. If the condition is removed in that session, the student will be regarded as having completed the year to which the condition applied.

Supplemental examinations are held prior to the opening of the session in the autumn, and application must be made to the Registrar’s Office no later than those deadline dates listed in this Calendar.

4.5 Challenge for Credit

There are a number of courses which may be challenged for credit. Information on the specific courses involved may be obtained from the director of the School of Dental Hygiene. Requests for course challenge must be received prior to the commencement of the term in which the course will be offered.

4.6 Honours and Awards

Dean’s Honours: awarded to students in each year of the dental hygiene program who have achieved a minimum sessional (fall & winter term combined) G.P.A. of 3.8. In addition, only students registered for 80 per cent or more of the normal course load during a regular session are eligible for Honours Standing.

A student who fails in one or more subjects, or who fails the year at the regular final examination, is not eligible to obtain Honours Standing or to receive any awards for the work of that year.

A student repeating a year’s work is not eligible to obtain Honours Standing or to receive any awards for the work of that year.

The following policy applies to the eligibility of part-time students for academic awards:

A student who is carrying less than 80 per cent of the normal course load for the year is only eligible for an award in the individual subjects taken by him/her.

A student who is repeating a course may not be eligible for an award in that subject.

NOTE: Regulations concerning Admissions, Academic Progress, Examinations and Withdrawal are on file in the general office of the School of Dental Hygiene and through The University of Manitoba webpage at umanitoba.ca/faculties/dentistry.
### 4.7 Instruments, Computer, Textbooks and Uniforms

Students must purchase a dental hygiene student kit consisting of two sets of clinical instruments and uniforms. The total cost of the kit is approximately $6,000. Students are also required to purchase one lab coat. Some laboratory equipment is loaned by the school. In addition, students entering the School of Dental Hygiene will be expected to purchase a specified laptop computer as well as EVOLVE software. This expenditure is approximately $3500 for the full two year program. These costs replace most textbook expenditures.

### SECTION 5: Program Requirements

#### 5.1 Year 1 and 2 Course Requirements

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HYGN 1232</td>
<td>Oral and Dental Anatomy 3</td>
</tr>
<tr>
<td>HYGN 1234</td>
<td>Preclinical Dental Hygiene 2</td>
</tr>
<tr>
<td>HYGN 1236</td>
<td>Dental Hygiene Theory and Practice I 4</td>
</tr>
<tr>
<td>HYGN 1238</td>
<td>Dental Hygiene Clinical Practice I 3</td>
</tr>
<tr>
<td>HYGN 1242</td>
<td>Dental Hygiene Theory and Practice II 4</td>
</tr>
<tr>
<td>HYGN 1262</td>
<td>Dental Radiology 3</td>
</tr>
<tr>
<td>HYGN 1270</td>
<td>Biology of the Head and Neck 3</td>
</tr>
<tr>
<td>HYGN 1280</td>
<td>Microbiology and Infectious Diseases 3</td>
</tr>
</tbody>
</table>

**First Year**

**HYGN 1232** Oral and Dental Anatomy (3)

**HYGN 1234** Preclinical Dental Hygiene (2)

**HYGN 1236** Dental Hygiene Theory and Practice I (4)

**HYGN 1238** Dental Hygiene Clinical Practice I (3)

**HYGN 1242** Dental Hygiene Theory and Practice II (4)

**HYGN 1262** Dental Radiology (3)

**HYGN 1270** Biology of the Head and Neck (3)

**HYGN 1280** Microbiology and Infectious Diseases (3)

**Second Year**

**HYGN 2300** Pathology (3)

**HYGN 2312** Dental Hygiene Clinical Practice II (4)

**HYGN 2314** Dental Hygiene Theory and Practice III (4)

**HYGN 2316** Dental Hygiene Clinical Practice III (4)

**HYGN 2318** Dental Hygiene Theory and Practice IV (5)

**HYGN 2340** Periodontology II (2)

**HYGN 2350** Biology of Oral Tissues (2)

**HYGN 2362** Community Health II (3)

**HYGN 2370** Nutrition in Dentistry (2)

**HYGN 2380** Pain Management (2)

Total credit hours: 36

* Registration in HYGN 2100, Dental Hygiene Portfolio will also occur within the first year of the Dental Hygiene program. However, no grade will be assigned and it will not be factored into GPA calculations.

### SECTION 6: Registration Information

#### Initial Access Times

Students are referred to the chapter, "Registration Information: Aurora Student," Section 4.

#### For All New and Returning Students

Whether you are a new or returning student, familiarize yourself, not only with the information contained in this Guide, but also with the faculty chapter in the Undergraduate Calendar. However, the student advisor is available in D113 Dental Building or by calling (204) 789-3484 to help should you encounter difficulties in registering.

### SECTION 7: Course Descriptions

**HYGN 1232 Oral and Dental Anatomy Cr.Hrs.3** This course consists of a self-study CD and laboratory work dealing with the normal development, morphology, structure, and functions of the dentition and related structures. Corequisites: HYGN 1234 and HYGN 1236.

**HYGN 1234 Preclinical Dental Hygiene Cr.Hrs.2** This introductory course teaches the necessary dental hygiene skills in laboratory and preclinical settings. Students are introduced to foundational assessment and implementation skills necessary to begin client care at the novice level. Corequisites: HYGN 1232 and HYGN 1236.

**HYGN 1236 Dental Hygiene Theory and Practice I Cr.Hrs.4** This introductory course provides the necessary foundational knowledge requisite for preclinical experience and early client care. It includes the theory and principles underlying the practice of dental hygiene based on the four phases of the Dental Hygiene Process of Care and the concept of Professionalism. Corequisites: HYGN 1232 and HYGN 1234.

**HYGN 1238 Dental Hygiene Clinical Practice I Cr.Hrs.3** The course focus is on the cognitive, psychomotor and affective knowledge and skills requisite to the dental hygiene process of care. It includes the principles underlying the practice of dental hygiene and facilitates the development of a self-directed and self-aware professional. Prerequisites: HYGN 1234 and HYGN 1236. Corequisite: HYGN 1238.

**HYGN 1242 Dental Hygiene Theory and Practice II Cr.Hrs.4** A continuation of foundational knowledge requisite for clinical care on less complicated clients that includes the theory and principles underlying the practice of dental hygiene based on the Dental Hygiene Process of Care. Prerequisites: HYGN 1234 and HYGN 1236. Corequisite: HYGN 1238.

**HYGN 1262 Dental Radiology Cr.Hrs.3** An introduction to the production of x-rays, radiation biology, radiation protection, imaging materials, imaging techniques, recognition of radiographic landmarks and structures, and quality control of radiographs. Corequisites: HYGN 1234 and HYGN 1238.

**HYGN 1292 Dental Hygiene Preclinical Restorative Techniques 2**

**HYGN 1320 Dental Materials 2**

**HYGN 1340 Communications 2**

**HYGN 1352 Community Health I 3**

**HYGN 1360 Periodontology I Cr.Hrs.2** (Formerly 070.136) A study of the normal tissues of the periodontium, and an introduction to periodontal diseases, their etiolo-
gy, epidemiology and treatment, especially as these relate to dental hygiene practice. A critical analysis of periodontal cases is included.

HYGN 2100 Dental Hygiene Portfolio Cr.Hrs.2 This two credit hour course houses the evaluation component of the programmatic portfolio of student competencies that all students commence at enrolment and complete prior to graduation.

HYGN 2280 Pharmacology Cr.Hrs.2 (Formerly 070.228) Drugs used in clinical practice; a general knowledge of drugs by groups with emphasis on agents such as local anesthetics, analgesics, and antibiotics used extensively in the practice of dentistry.

HYGN 2300 Pathology Cr.Hrs.3 (Formerly 070.230) A study of the principles of general and oral pathology involving pathologic mechanisms, disorders of physiologic systems, and pathologic conditions and diseases affecting oral and para-oral structures.

HYGN 2312 Dental Hygiene Clinical Practice II Cr.Hrs.4 This competency-based clinical course amalgamates theoretical knowledge and clinical skills in both general clinical and community based clinical settings. Students provide care to clients with moderate oral health needs. Prerequisites: HYGN 1238 and HYGN 1242. Corequisite: HYGN 2314.

HYGN 2314 Dental Hygiene Theory and Practice III Cr.Hrs.4 Learning, motivation, and behaviour modification theories are applied to oral health promotion. Dental hygiene care plans are developed using a human needs model and process of care. Ethics, jurisprudence and practice standards are discussed. Prerequisites: HYGN 1238 and HYGN 1242. Corequisite: HYGN 2312.

HYGN 2316 Dental Hygiene Clinical Practice III Cr.Hrs.4 This course advances the student’s clinical dental hygiene skills to a level of minimal competency. Students provide dental hygiene care to clients with high oral health needs to facilitate their attainment of optimal oral health. Prerequisites: HYGN 2312 and HYGN 2314. Corequisite: HYGN 2318.

HYGN 2318 Dental Hygiene Theory and Practice IV Cr.Hrs.5 The oral health needs of persons with disabilities and the development of dental hygiene care plans to address those needs are discussed as well as issues of access to dental hygiene care, employment, quality assurance, and professional growth and development. Prerequisites: HYGN 2312 and HYGN 2314. Corequisite: HYGN 2316.

HYGN 2340 Periodontology II Cr.Hrs.2 (Formerly 070.234) Continuation of the study of etiology, diagnosis and treatment of periodontal disease.

HYGN 2350 Biology of Oral Tissues Cr.Hrs.2 (Formerly 070.235) Consideration of physiology of the oral environment and its microflora in relation to health, dental caries and periodontal diseases.

HYGN 2362 Community Health II Cr.Hrs.3 Student abilities to deliver community oral health education/promotion programs, with attention given to barriers and strategies used to meet the unique needs of target populations less likely to have optimal oral health are further developed. Prerequisite: HYGN 1352.

HYGN 2370 Nutrition in Dentistry Cr.Hrs.2 (Formerly 070.237) A physiological, psychological, and social insight into the principles of nutrition and their relation to preventive dental practice.

HYGN 2380 Pain Management Cr.Hrs.2 (Formerly 070.238) This course is designed to enhance the dental hygiene student’s knowledge of the mechanisms of pain control through the administration of topical and local anesthetic agents. Emphasis will be placed on the pharmacology of dental anesthetic agents and their interaction with the client’s current conditions and medications.