

7. EDUCATIONAL RESOURCES

7.1 Teaching facilities on campus: The medical college must have adequate resource facilities for diverse learning settings such as lectures, tutorials and practical classes, including auditoriums, laboratories (multi-disciplinary, basic medical sciences and professional skills laboratories), dissection rooms and anatomy/pathology museums, tutorial rooms, audio-visual equipment, laboratory equipment and computers for satisfactory delivery of the curriculum. The physical resources must respond to the curriculum structure, organization and implementation.

7.2 Learning resource facilities:

7.2.1 Library resources including virtual library: The school must have a collection of reference materials that are adequate to meet the curriculum and research needs of the students and faculty, and support staff must be available to help the students. It is advisable that students have access to computer-based reference systems. A core collection of essential journals must be available in paper and/or electronic form and ensuring that the most recent periodicals are available and the number of referenced books.

7.2.2 Learning resource center: This must be capable of providing support to learning and teaching including established skill laboratories and the production of audiovisual aids and electronic networking facilities.

7.3 Clinical learning:

7.3.1 Clinical learning environment/teaching primary health care and hospitals: Sites for teaching and clinical environments, including primary health care centers and teaching hospitals, must meet the health institutions accreditation standards. In case there is a need to expand the clinical teaching of students beyond the available university hospital, an official agreement must be reached between the medical school and clinical teaching facility, indicating clearly the terms of cooperation and commitment. This agreement must be subject to regular review and there must be clear evidence that the relationship is functioning effectively.

7.3.2 Specialties and teaching beds: Affiliated health care institutions must be suitable for medical education and have inpatient beds and outpatient clinics in main specialties (surgery, medicine, pediatrics, obstetrics and gynecology, accident and emergency, ear, nose and throat, dermatology and other specialties) based on the health problems.

7.3.3 Student to hospital bed ratio: With regard to the specialties of medicine, surgery, obstetrics and gynecology and pediatrics, a medical college must have access to at least 3 occupied hospital beds per student in a clinical clerkship rotation at a given time. A medical college with an intake of 100 students per year must be affiliated to a teaching hospital(s) providing approximately 300–500 beds with high occupancy rate.

7.3.4 Ambulatory care services: Access to outpatient clinics and primary health care centers must be available. Learning and teaching in ambulatory care services and primary care settings are essential for the training of medical students.

7.3.5 Educational, library and on-call facilities must be available for students in the health care facilities.

7.4 Student welfare facilities: Adequate physical facilities must be provided for student study, sport and recreation.

EDUCATIONAL RESOURCES

7.1 Physical Facilities; The medical school must have adequate resource facilities for diverse learning settings such as:

- 7.1.1. Lectures, tutorials and practical classes, including auditoriums,
- 7.1.2. Laboratories: multi-disciplinary, basic medical sciences.
- 7.1.3. Skills laboratories.
- 7.1.4. Dissection rooms.
- 7.1.5. Anatomy and pathology museums.
- 7.1.6. Tutorial rooms.
- 7.1.7. Audio-visual equipment.
- 7.1.8. Laboratory equipment and computers for satisfactory delivery of the curriculum.
- 7.1.9. The physical resources must respond to the curriculum structure, organization and implementation.

7.2. Learning Resource Facilities

- 7.2.1. Library Resources including virtual library.
 - 7.2.1.1. The school must have a collection of reference materials meeting the standards that are adequate to meet the curriculum and research needs of the students and faculty.
 - 7.2.1.2. Support staff must be available to help the students.
 - 7.2.1.3. It is advisable that students have access to computer-based reference systems.

7.2.1.4. A core of essential journals must be available in paper and /or electronic form.
 7.2.1.5.Ensuring that the most recent periodicals are available and the number of referenced books.

7.2.2. Learning Resource Unit

7.2.2.1 This must be capable of providing support to learning and teaching including established skill laboratories.

7.2.2.2 It is capable of Production of audiovisual aids.

7.2.2.3 It has Electronic networking facilities.

7.3. Clinical Learning environment; Teaching Hospitals and Primary Health Care

7.3.1.1.Teaching hospitals and primary health care centers should meet the health institution"s accreditation.

7.3.1.2.An official agreement must be reached between the medical school and affiliated teaching hospitals

7.3.1.2.1. Indicating clearly the terms of cooperation and commitment.

7.3.1.2.2. This agreement must be subjected to regular review

7.3.1.2.3. There must be clear evidence that the relationship is functioning effectively

7.3.2. A specialties and Teaching Beds, Affiliated health care institutions must be

7.3.2.1. Suitable for medical education

7.3.2.2.Have teaching beds and outpatient clinics in main specialties (surgery, medicine, pediatrics, obstetrics & gynecology), accident & emergency. ENT, Dermatology and other specialties) based on the health problems.

7.3.3. Student to Hospital Bed Ratio;

7.3.3.1.A medical college must have access to at least three occupied hospital beds per student in a clinical clerkship rotation at a given time.

7.3.3.2.A medical college with an intake of 100 students per year must be affiliated to a teaching hospital(s) providing of approximately 300-500 beds with high occupancy rate.

7.3.4. Ambulatory Care Services;

7.3.4.1. Access to outpatient clinics must be available.

7.3.4.2. Access to primary health care centers must be available.

7.3.5. Educational, library and on-call facilities must be available for Students in the health care centers.

7.4. Student Welfare Facilities must be provided

7.4.1. For student study

7.4.2. Sport and recreation.

Proposed tools for evidence generation; Educational resources.

presentation	Components	Target	Tools	Ind
Description	the number of lecture and tutorial rooms should be enough for students number	Doc.	Verif	7.1.1.
description	the number of laboratory should adequate regarding specialties and students number	Doc.	Verfi.	7.1.2.

Description	skill lab should be adequate in size and relation to students number	Doc.	Verif	7.1.3.
description	presence of adequate dissection rooms	Doc.	Verif	7.1.4
Description	presence of adequate anatomy and pathology museums	Doc.	Verif.	7.1.5
Description	presence of adequate tutorial rooms	Doc.	Verif	7.1.6
Description	Presence of adequate audio-visual equipment	Doc.	Verif.	7.1.7.
description	presence of adequate Laboratory equipment and computers	Doc.	Verif	7.1.8
Description	number of lecture, tutorial rooms and labs should be related to type of curriculum	Doc.	Veirfi	7.1.9
Description	presence of reference material that cover curriculum and research needs	Doc.	Verifl.	7.2.1.1
Description	presence of support staff	Doc.	Verif.	7.2.1.2
% of satisfaction	presence of computer based reference system, students interview	Students	interview	7.2.1.3
Description	presence of learning resource unit to help learning process	Doc.	Verif	7.2.2.1
Description	production of learning aids, software, and CD	Doc.	Verif.	7.2.2.2
Description	presence of Web site for learning aid and communication with students	Doc.	Verif.	7.2.2.3
Description	presence of MOH accreditation program	Doc.	Verif	7.3.1.1
Description	memorandum of understanding between college and affiliated hospital) (more details needed	Doc	Verfi	7.3.1.2.1
Description	Regular review	Doc.	Verfi.	7.3.1.2.2
% of satisfaction	questionnaire and/or interview to faculty and students about relation to hospital	Faculty student	Ques interv	7.3.1.2.3
Description	presence of tutorial rooms, clinical meeting room and other scientific activities	Doc.	Verif.	7.3.2.1
Description	presence of these different specialties : (1-health problems should be identified,2-observation of hospital records for admitted cases,3-observation of present cases)	Doc	Verif.	7.3.2.2
Description	(No. of students and No. of beds at hospital	Doc.	Verif.	7.3.3.1
Description	1-Hospital occupancy rate, 2-No. of Beds, 3-No. of Students (clinical training	Doc.	Verif.	7.3.3.2.
Description	inspection of out-patients clinics must be prepared to teaching purposes	Doc.	Verif.	7.3.4.1.
% opinion	clinical course should include outpatient training			

	student interviews	student	interview	
Description	1-document of training courses at PHC, 2-students interview	Doc. student	Verfi interview	7.3.4.2.
Description	the hospital should be occupied with library, tutorial rooms and side labs	Doc.	Verif.	7.3.5
Description	presences of ,1-health counseling, 2-legal advice, 3-Financial support, 4-disability support, 5-accommodation support) :	Doc.	Verif.	7.4.1
description	student access to gym and access to music room, etc	Doc.	Verif.	7.4.2.

Description of the requested Documents:

7.1.1. The number of lecture and tutorial rooms should be enough for students number

7.1.2. the number of laboratory should adequate regarding specialties and students number

7.1.3. skill lab should be adequate in size and relation to students number

7.1.4. presence of adequate dissection rooms

7.1.5. presence of adequate anatomy and pathology museums

7.1.6. presence of tutorial rooms

7.1.7. Presence of adequate audio-visual equipment

7.1.8. presence of adequate Laboratory equipment and computers

7.1.9. number of lecture, tutorial rooms and labs should be related to type of curriculum

7.2.1.1.presence of reference material that cover curriculum and research needs

7.2.1.2.presence of support staff

7.2.1.3.presence of computer based reference system, students interview

7.2.1.4.at least one regular series of each disciplines

7.2.1.5.Recent? at least 10% of the periodicals and references issued in the last ten years, in their two form paper and online or software

7.2.2.1. Presence of learning resource unit to help learning process

7.2.2.2. Production of learning aids, software, and CD

7.2.2.3. Presence of Web site for learning aid and communication with students

7.3.1.1. Presence of MOH accreditation program

7.3.1.2.1. Memorandum of understanding between college and affiliated hospital

7.3.1.2.2. Document of memorandum of understanding Regular review

7.3.2.1. Presence of tutorial rooms, clinical meeting room and other scientific activities

7.3.2.2. Presence of these different specialties in the teaching hospital

7.3.3.1. Document of No. of students and No. of beds at hospital

7.3.3.2. Document of; 1-Hospital occupancy rate, 2-No. of Beds, 3-No. of Students (clinical training)

7.3.4.1. Document of out-patient training

7.3.4.2. Document of student training in PHCs

7.3.5. The hospital should be occupied with library, tutorial rooms and side labs

7.4.1. Document of presence of, 1-health counseling, 2-legal advice, 3-Financial support, 4-disability support, 5-accommodation support

7.4.2. Document of; student access to gym and access to music room, etc

Scoring of Educational resources.

NF	PF	FF	Indicators	Ind No	No
			The medical school must have adequate; Lectures, tutorials and practical classes, including auditoriums	7.1.1.	1
			The medical school must have adequate; Laboratories: multi-disciplinary, basic medical sciences.	7.1.2.	2
			The medical school must have adequate; Skills laboratories.	7.1.3.	3
			The medical school must have adequate; Dissection rooms and/or equivalent	7.1.4.	4
			The medical school must have adequate; Anatomy and pathology museums or any other alternative.	7.1.5	5
			The medical school must have adequate; Tutorial rooms and /or small group learning	7.1.6	6
			The medical school must have adequate; Audio-visual equipment	7.1.7	7
			The medical school must have adequate; Laboratory equipment and computers for satisfactory delivery of the curriculum.	7.1.8	8
			The physical resources must respond to the curriculum structure, organization and implementation.	7.1.9	9
			Library Resources including virtual library. The school must have a collection of reference materials meeting the standards that are adequate to meet the curriculum and research needs of the students and faculty.	7.2.1.1.	10
			Library Resources including virtual library. Support staff must be available to help the students.	7.2.1.2.	11
			Library Resources including virtual library. It is advisable that	7.2.1.3	12

		students have access to computer-based reference systems.		
		Library Resources including virtual library. A core of essential journals must be available in paper and /or electronic form.	7.2.1.4.	13
		Library Resources including virtual library. Ensuring that the most recent periodicals are available and the number of referenced books.	7.2.1.5	14
		Learning Resource Unit This must be capable of providing support to learning and teaching including established skill laboratories.	7.2.2.1	15
		Learning Resource Unit; It is capable of Production of audiovisual aids	7.2.2.2.	16
		Learning Resource Unit It has Electronic networking facilities.	7.2.2.3	17
		Teaching Hospitals and PHC; Teaching hospitals and primary health care centers should meet the health institution's accreditation	7.3.1.1	18
		An official agreement must be reached between the medical school and affiliated teaching hospitals. Indicating clearly the terms of cooperation and commitment.	7.3.1.2.1	19
		This agreement must be subjected to regular review	7.3.1.2.2	20
		There must be clear evidence that the relationship is functioning effectively	7.3.1.2.3	21
		A specialties and Teaching Beds, Affiliated health care institutions must be; Suitable for medical education	7.3.2.1	22
		Have teaching beds and outpatient clinics in main specialties (surgery, medicine, pediatrics, obstetrics & gynecology), accident & emergency. ENT, Dermatology and other specialties) based on the health problems	7.3.2.2	23
		Student to Hospital Bed Ratio; A medical college must have access to at least three occupied hospital beds per student in a clinical clerkship rotation at a given time.	7.3.3.1	24
		Student to Hospital Bed Ratio; A medical college with an intake of 100 students per year must be affiliated to a teaching hospital(s) providing of approximately 300-500 beds with high occupancy rate.	7.3.3.2	25.
		Access to outpatient clinics must be available.	7.3.4.1	26
		Access to primary health care centers must be available	7.3.4.2	27
		Educational, library and on-call facilities must be available for Students in the health care centers.	7.3.5	28
		Student Welfare Facilities must be provided; For student study	7.4.1.	29
		Student Welfare Facilities must be provided; Sport and recreation.	7.4.2	30
		Total score =(FF=2, PF=1, NF=0)		

